

# Actuate e.Reporting Suite 5



## Actuate e.Reporting Suite 5 Glossary Release 5

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Document No. 010930-2-130323 September 20, 2001

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# Terminology map

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If you are familiar with another reporting tool, the words you use to refer to reporting concepts may be different from the words used in Actuate documentation. To help you make the transition, this table lists some important terms from the world of reporting and gives the equivalent Actuate terminology.

Reporting term	Actuate term
attribute	property
auto arrange	space evenly
break group	group
break report	grouped report
browser	web browser
calculated field	calculated control or computed field
criteria	parameters
detail section	detail frame or innermost frame
Expert	wizard
field	column or control
footer	page footer
formula	expression
Formula Editor	Expression Builder
group field	group key
Group Footer	After
Group Header	Before
group level	group
groups/totals report	grouped report

<b>Reporting term</b>	<b>Actuate term</b>
header	page header
layout painter	Design Editor
level break listing	grouped report
link	join
link field	key
live header	Before
matrix report	crosstab report
N-up report	multi-column page layout
on-demand subreport	demand paging
parameter field	ad hoc parameter or static parameter
property sheet	Properties tab in Component Editor
region	frame
repeating frame	detail frame or innermost frame
report	e.report
Report Footer	After
Report Gallery	Create New Report dialog
Report Header	Before
report painter	Design Editor
request	query
section	frame
select painter	Query Editor
selection formula	parameter
setting	property
shortcut menu	context menu
sort-and-group-by field	group key
sort field	sort key
summary	aggregate row
two pass formula/function	lookahead aggregate
underlay	watermark
verify	synchronize query
x-axis	x-axis or category axis
y-axis	y-axis or value axis

**absolute cell reference**

A cell reference that points to an exact location in an e.Spreadsheet worksheet.

**Related terms**

cell  
cell reference  
external cell reference  
relative cell reference

**abstract base class**

A class created to organize a class hierarchy or define methods and variables that apply to derived classes. An abstract base class is one for which instances cannot be created.

**Related terms**

base class  
class  
class hierarchy  
concrete base class  
method  
variable

**abstract data type**

See user-defined type.

**Abstract Window Toolkit (AWT)**

A set of components used for developing simple Java™ graphics applications. The Swing component architecture extends this toolkit.

**Related term**

Swing component architecture

**access control list (ACL)**

A list of security IDs for a page. If a security ID in the access control list matches any user ID, the page is accessible to the owner of that user ID.

**Related terms**

privilege  
security ID

**active request**

A request currently eligible for execution on a server. An active request begins to run when a Factory process becomes available.

**Related terms**

Factory process  
server application

**ActiveX**

See Actuate Software Development Kit (SDK).

**Actuate Administrator Desktop**

An application distributed as part of the Actuate e.Reporting Server used to manage user accounts, security, and report servers.

**Related term**

Actuate e.Reporting Server

**Actuate Advanced e.Reporting Server**

A set of cooperating processes that includes the page security option. These processes employ the Actuate Administrator Desktop to manage information and service requests from users. For example, an Actuate Advanced e.Reporting Server provides security, scheduling, report generation of Actuate and third party reports, printing, and notification. Use the Actuate Software Development Kit, part of Actuate e.ReportDesigner Professional, to extend the Actuate Advanced e.Reporting Server functionality.

**Related terms**

Actuate Administrator Desktop  
Actuate e.Reporting Server  
Actuate Software Development Kit (SDK)  
open server technology  
page security  
server application  
server processes

**Actuate Basic**

A programming language that is syntax-compatible with Microsoft Visual Basic 3.0. Actuate Basic consists of standard Basic functions and statements, plus object-oriented language extensions. Report developers can write Actuate Basic code to go beyond what can be accomplished with the e.Report Designer Professional interface.

**Related terms**

Actuate Foundation Class Library  
class  
function  
object-oriented programming  
statement

**Actuate Basic data type**

See data type.

**Actuate e.Analysis**

An application that enables users to analyze search results in a report written in dynamic hypertext markup language (DHTML). The analysis tool is a Java applet.

**Related terms**

applet  
dynamic hypertext markup language (DHTML)  
e.report  
Java

**Actuate End User Desktop**

An application used to access on-demand e.reports, to schedule running of e.reports, to run, print, and view e.reports.

**Related term**

e.report

**Actuate e.Report Designer**

An application that complements e.Report Designer Professional and is used by business users to design and distribute a variety of reports. Such designs can be used to distribute structured content over the World Wide Web.

**Related terms**

Actuate e.Report Designer Java™ Edition  
Actuate e.Report Designer Professional  
e.report  
World Wide Web (WWW or W3)

## **Actuate e.Report Designer Java™ Edition**

A Java application used to build report designs. Such designs can be used to distribute structured content over the World Wide Web.

### **Related terms**

Actuate e.Report Designer

Actuate e.Report Designer Professional

e.report

World Wide Web (WWW or W3)

## **Actuate e.Report Designer Professional**

An application used to build report designs and reusable components. Such designs can be used to distribute structured content over the World Wide Web. This application includes Actuate Software Development Kit (SDK).



### **Related terms**

Actuate e.Report Designer

Actuate e.Report Designer Java™ Edition

component

e.report

report object design

World Wide Web (WWW or W3)

## **Actuate e.Reporting Server**

A set of cooperating processes that employs the Actuate Administrator Desktop to manage information and service requests from users. For example, an Actuate e.Reporting Server provides scheduling, report generation of Actuate and third party reports, printing, and notification. Use the Actuate Software Development Kit to extend the Actuate e.Reporting Server functionality. The Actuate e.Reporting Server ships in various versions: Actuate e.Reporting Server, Actuate e.Reporting Server Java™ Edition, and Actuate e.Reporting Server Progress Edition.

### **Related terms**

Actuate Administrator Desktop

Actuate Advanced e.Reporting Server

Actuate Software Development Kit (SDK)

server application

server processes

## **Actuate e.Spreadsheet Designer**

An application used to design, create, and distribute custom spreadsheets over the web. The application dynamically generates richly formatted Excel and spreadsheet-based reports from Actuate e.Reporting Server.

**Related terms**

Actuate e.Report Designer  
Actuate e.Report Designer Java™ Edition  
Actuate e.Reporting Server

**Actuate e.Spreadsheet Option**

An open server application used to generate Microsoft Excel spreadsheets from e.Spreadsheet Designer files. This product enables customers to manage spreadsheet reports and analytics within the Actuate e.Reporting Server and save Actuate reports as richly formatted Excel spreadsheets.

**Related terms**

Actuate e.Report Designer  
Actuate e.Spreadsheet Designer  
Actuate e.Reporting Server

**Actuate Foundation Class (AFC)**

A class supplied with Actuate software. The classes are the building blocks of report designs. Representative Actuate Foundation Classes include those that define data sources, dates, frames, graphs, images, numbers, pages, and sections. Users can derive classes from the Actuate Foundation Classes.

**Related terms**

base class  
class  
component

**Actuate Foundation Class Library**

A library that contains the Actuate Foundation Classes. The AFC.rol file contains the Actuate Foundation Class Library.

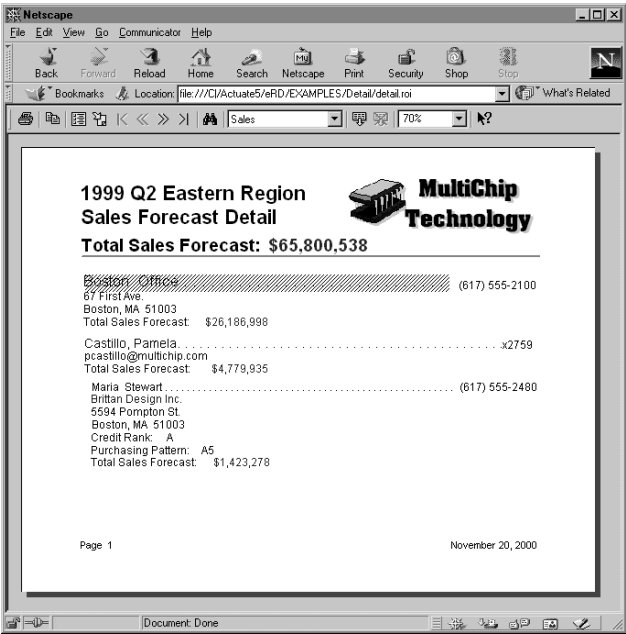
**Related terms**

Actuate Foundation Class (AFC)  
class  
component library

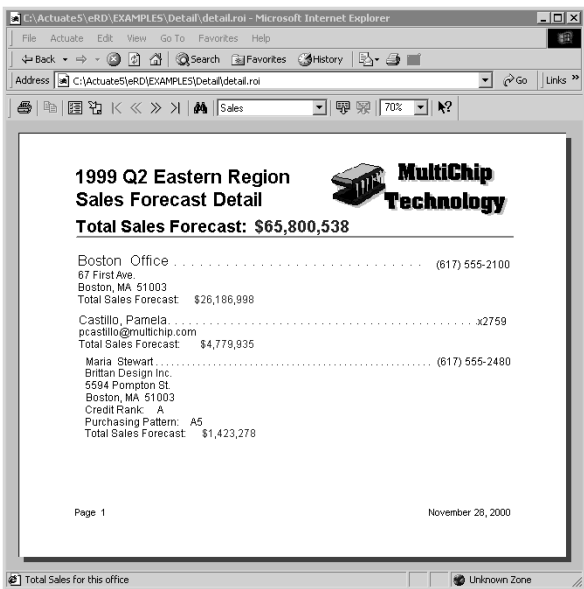
**Actuate Live Report Extension (LRX)**

A desktop application used to find, view, and print e.reports accessed over the World Wide Web. The Actuate LRX runs in internet browsers such as Netscape and Microsoft Internet Explorer. The LRX is different from the standard Actuate Viewer in that it does not contain the Navigator.

## Live Report Extension (LRX) for Netscape Navigator



## Live Report Extension (LRX) for Microsoft Internet Explorer





**Related terms**

Actuate Viewer  
e.report  
Navigator  
World Wide Web (WWW or W3)

**Actuate Palette Representation (.apr) file**

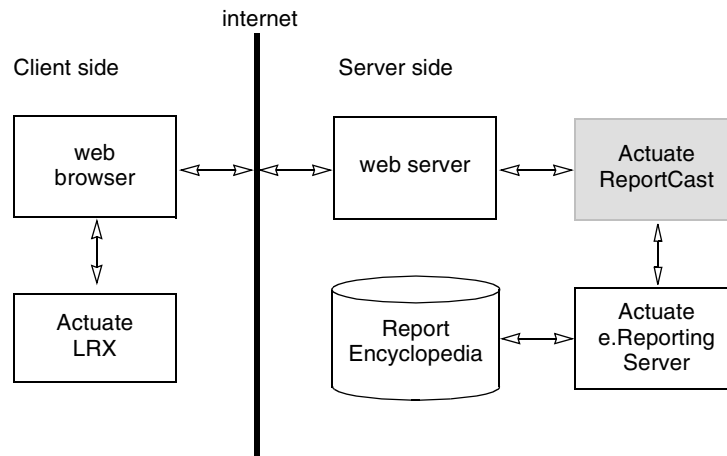
A file that contains class association information for the main and component palettes. The class association tells you what button image is linked to a specific class.

**Related terms**

Actuate Basic  
Basic source (.bas) file  
e.report  
e.Spreadsheet template (.vts) file  
e.Spreadsheet template package (.vtf) file  
palette  
report object design (.rod) file  
report object executable (.rox) file  
report object instance (.roi) file  
report object library (.rol) file  
report object value (.rov) file  
report object web (.row) file  
search definition (.ros) file

**Actuate ReportCast**

A web server extension that enables users of the World Wide Web to locate and access e.reports in a Report Encyclopedia on an Actuate e.Reporting Server. ReportCast generates HTML pages based on templates. ReportCast technology pushes reports to particular users.



**Related terms**

Actuate e.Reporting Server  
Actuate ReportCast technology  
hypertext markup language (HTML)  
push  
Report Encyclopedia  
web server  
World Wide Web (WWW or W3)

**Actuate ReportCast technology**

Application technology that delivers structured content and live e.reports to web browsers and other internet-connected applications.

**Related terms**

e.report  
structured content  
web browser

**Actuate Scripting Language**

- 1 A programming language that enables automation of simple commonly performed tasks. Actuate scripting language is part of Actuate ReportCast technology.
- 2 A language that automates the generation of HyperText Markup Language pages. Actuate Scripting Language commands determine how information is displayed on an e.report viewed in a web browser.

**Related terms**

Actuate ReportCast technology  
command  
e.report  
hypertext markup language (HTML)  
web browser

**Actuate Software Development Kit (SDK)**

A development tools that is part of Actuate e.Report Designer Professional and includes:

- 1 Actuate ActiveX Controls embed Actuate reporting functionality into custom applications.
- 2 Actuate Requester API accesses attributes and values of report parameters, changes the values of report parameters, controls how and when an e.report is generated, displays and prints reports, and configures report print setup. Access the Requester API using Actuate Basic, Visual Basic, C, or C++.

- 3 Actuate search extension API supports developing search extensions to transfer data to any third party productivity or analysis tool.
- 4 Actuate report server API implements common Report Encyclopedia tasks, integrates report server features into existing corporate applications, automates routine or time-consuming tasks, and implements new feature groupings for custom business processes. Access the report server API using C++.
- 5 Actuate Report Server Security Extension supports the use of third party security tools.
- 6 Actuate archive driver supports the use of third party archiving software and hardware.

**Related terms**

Actuate e.Report Designer Professional  
Application Programming Interface (API)  
application  
e.report  
parameter  
Report Encyclopedia

**Actuate Viewer**

An application used in the desktop environment to find, view, and print reports.

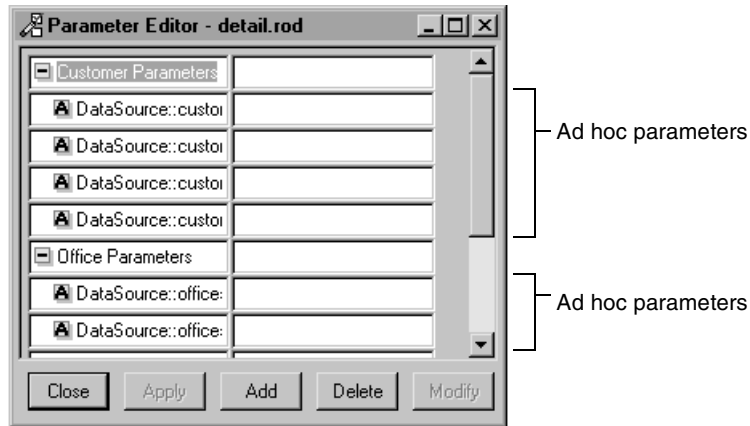


**Related terms**

e.report

**ad hoc parameter**

A parameter, associated with a database column, that passes an expression that dynamically extends a query's Where clause. An ad hoc parameter is an optional value that restricts the number of rows returned from the database to the e.report.



### **Related terms**

e.report  
parameter  
query

## **Administration process**

An Actuate e.Reporting Server process that validates users and user requests. The server processes are Administration, Factory, Persistent Object, Print, Request, and View.

### **Related terms**

Actuate e.Reporting Server  
password  
server processes  
user name

## **administrator**

A user who manages a Report Encyclopedia and its e.Reporting Servers. The administrator has grant privileges on all Encyclopedia items and can modify report server properties.

### **Related terms**

Actuate e.Reporting Server  
grant privilege  
Report Encyclopedia  
role  
role owner  
server application

## **Administrator Desktop**

See Actuate Administrator Desktop.

## Advanced e.Reporting Server

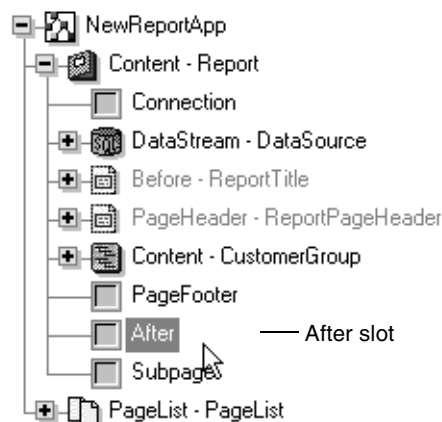
See Actuate Advanced e.Reporting Server.

## AFC (Actuate Foundation Class)

See Actuate Foundation Class (AFC).

## After

A component reference property that identifies a component to be printed or displayed at the end of a section. After is a slot in the Design Editor. For example, After can contain the sum of all orders from one customer.



### Related terms

component  
component reference property  
e.report  
section  
slot

### Contrast with

Before

## aggregate row

A single row that summarizes data from a group of rows having one or more column values in common. A query that includes a Group By clause returns aggregate rows. For example, a row that totals all orders made by one customer is an aggregate row.

### Related term

query

### Contrast with

data row

**alias**

An alternate name. In Actuate Basic, an alias is a name given to an external procedure to avoid conflict with reserved words, variables, or constants. In a SQL statement, an alias is a name given to a database table or column.

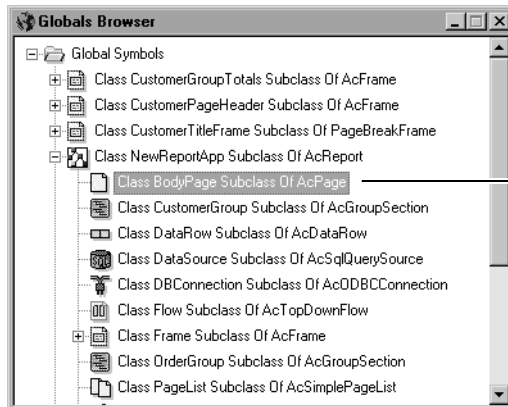
**Related terms**

Actuate Basic

SQL SELECT statement

**ancestor class**

Any class in the inheritance hierarchy from which a particular class directly or indirectly inherits.



AcPage as ancestor  
class of BodyPage

**Related terms**

class

class hierarchy

**Contrast with**

base class

derived class

descendant class

subclass

superclass

**ANSI (American National Standards Institute) character set**

An 8-bit character set that enables representation of up to 256 characters. The ASCII (American Standard Code for Information Interchange) character set is a subset of the ANSI character set.

**Related term**

ASCII (American Standard Code for Information Interchange) character set

**Any**

An Actuate Basic reserved word that accepts variables of any data type.

**Related terms**

Actuate Basic

data type

variable

<b>AnyClass</b>	<p>An Actuate Basic reserved word that accepts a handle to a class of any type.</p> <p><b>Related terms</b></p> <p>Actuate Basic class data type</p>
<b>applet</b>	<p><b>1</b> A small application program that performs a simple task. Applets are often embedded objects such as a Java program that can be included in an HTML page.</p> <p><b>2</b> A type of Java program that runs directly from the web browser or an applet viewer.</p> <p><b>Related terms</b></p> <p>application hypertext markup language (HTML) Java object web browser</p>
<b>application</b>	<p>A collection of code and visual elements that work together to perform a task.</p>
<b>Application Programming Interface (API)</b>	<p>A set of routines that manage windows, menus, and icons or request and carry out services performed by an operating system or network.</p> <p><b>Related term</b></p> <p>Actuate Software Development Kit (SDK)</p>
<b>argument</b>	<p>A constant, expression, or variable that supplies data to a function or a subroutine.</p> <p><b>Related terms</b></p> <p>constant data expression function subroutine variable</p>
<b>array</b>	<p>A data variable that consists of sequentially indexed elements having the same type. Each element has a common name, common data type, and a unique index number identifier. Changes made to an element of an array do not affect other elements.</p> <p><b>Related terms</b></p> <p>data type variable</p>

## **array function**

An Actuate e.Spreadsheet Designer function that returns data to a range of cells rather than one cell.

### **Related term**

Actuate e.Spreadsheet Designer  
array  
function

## **ASCII (American Standard Code for Information Interchange) character set**

A 7-bit character set that represents letters and symbols on a typical U.S. keyboard.

### **Related term**

ANSI (American National Standards Institute) character set.

**asterisk (\*)**    **1**    A wildcard character used for searches and queries.

**2**    A multiplication symbol in expressions.

### **Related terms**

search expression  
wildcard

## **ascendant class**

See ancestor class.

## **assignment statement**

A statement that assigns a value to a variable. For example:

Text1.text = "My Name"

## **authentication**

A process through which the system validates a user's login.

## **authorization**

The right granted to an individual to use the system and the data stored on it.

## **auto-archive**

A file management capability that supports archiving and deletion of e.report files based on the age of the file, a specific date, or the number of versions.

### **Related term**

e.report

## **auto-archive driver**

An interface between the Report Encyclopedia and an external archive tool.

### **Related terms**

auto-archive  
driver program



**base class** A class from which another class in the Actuate Foundation Class hierarchy derives. For example, AcSection is a base class for AcParallelSection.

**Related terms**

abstract base class  
Actuate Foundation Class (AFC)  
class  
concrete base class

**base graph** The part of a dual y-axis graph whose y-axis is on the left.

**Related term**

graph

**Contrast with**

overlay graph

**base unit** A unit of time displayed on a time scale axis in an e.Spreadsheet chart.

**Related term**

base unit interval

**base unit interval**

The number of base units between each division that marks a time scale axis on an e.Spreadsheet chart.

**Related term**

base unit

**Basic source (.bas) file**

A file that contains Actuate Basic source code. A Basic source file can be created in two ways:

- 1 The user writes a Basic source file using any text editor and saves it to a .bas file.
- 2 The user compiles a report design (.rod), which causes Actuate to generate a Basic source (.bas) file. The source file or files are then compiled into an executable (.rox) file.

**Related terms**

Actuate Basic  
Actuate Palette Representation (.apr) file  
e.Spreadsheet template (.vts) file  
e.Spreadsheet template package (.vtf) file  
report object design (.rod) file  
report object executable (.rox) file  
report object instance (.roi) file  
report object library (.rol) file  
report object value (.rov) file  
report object web (.row) file  
search definition (.ros) file

## batch request

A request that the request process holds until an operations process is available to handle the request priority.

### Related terms

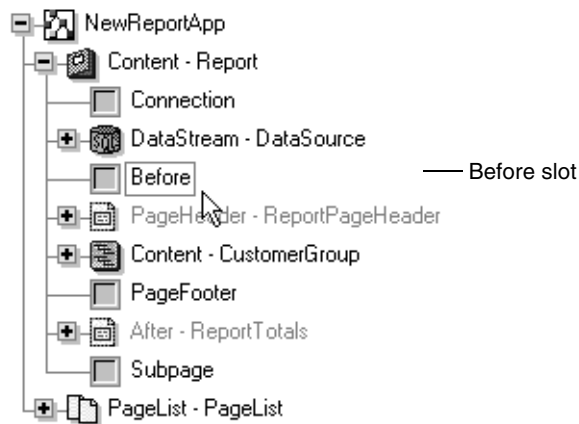
operations process

request

Request process

## Before

A component reference property that identifies a component to be printed or displayed at the beginning of a section. Before is a slot in the Design Editor. For example, Before can contain column headings.



### Related terms

component

component reference property

e.report

section

slot

### Contrast with

After

## binary number

A number in base 2. A binary number uses only the digits 0 and 1. Each place represents a power of 2. By comparison, base 10 numbers use the digits 0 through 9. Each place represents a power of 10. Binary notation is used because the only values available in an electronic circuit are 0 (power off) and 1 (power on).

### Related terms

bit

hexadecimal number

octal number

<b>bit</b>	The smallest unit of information in a computer. The value of a bit is either 0 or 1.
<b>bit mask</b>	A value used with bitwise operators (AND, EQV, IMP, NOT, OR, XOR) to test, set, or reset the state of individual bits in a bit-field value.
<b>bitmap</b>	<p>The representation of an image by an array of bits. Bitmap files have the extensions such as .bmp or .jpg.</p> <p><b>Related terms</b></p> <p>array bit</p>
<b>bitwise operation</b>	<p>A bit-by-bit comparison of identically positioned bits in two numeric expressions.</p> <p><b>Boolean expression</b></p> <p>An expression that yields one of two values, True or False. The False state is always zero and the True state is always nonzero. The True state has two definitions, one bit-wise, the other logical. The bit-wise definition is represented by the intrinsic constant True and always equals 1. The logical definition is used in testing for conditional expressions in statements such as IF condition THEN... or WHILE condition... WEND where any expression that evaluates to nonzero fulfills the condition.</p> <p><b>Related term</b></p> <p>expression</p>
<b>breakpoint</b>	<p>A place marker in a program being debugged causing execution to be halted so that data values may be examined and altered.</p> <p><b>Related term</b></p> <p>debug</p>
<b>browser</b>	<p>A tool used to search for information such as design elements, e.reports, and database elements.</p> <p><b>Related terms</b></p> <p>Database Browser e.report Globals Browser Library Browser Project Browser Stored Procedure Browser web browser</p>
<b>BSTR</b>	<p>An OLE string that must be freed by its requester, unlike a C++ string that must be freed by its creator.</p> <p><b>Related terms</b></p> <p>OLE (object linking and embedding) string expression</p>

**Builder** See Expression Builder, Query Editor, Stored Procedure Data Source Builder

**Builder button**

A button used to open the Color Chooser, Expression Builder, Method Editor, and Query Editor.



**Related terms**

- Color Chooser
- Expression Builder
- Method Editor
- Query Editor
- Stored Procedure Data Source Builder

**bursting** See report bursting.

**button** An icon in a toolbar, tool palette, or dialog box that provides quick access to a feature or function.



**Related term**

toolbar

**calculated column**

A field defined in a query that yields the result of an expression.

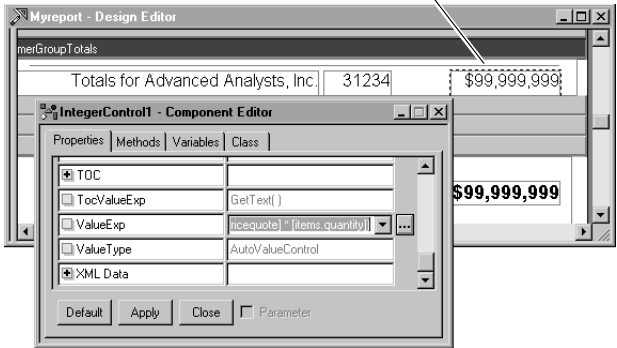
**Related terms**

- field
- query

**calculated control**

A data control that displays the result of an expression rather than stored data. Actuate recalculates the result each time it generates the report.

Integer control with calculated value



**Related terms**

data control  
expression

**caption**

The text on a label or in the title bar of a report window.

**category**

A group within a dimension. Categories appear in rows on the vertical axis, or in columns on the horizontal axis, or in the drop-down menu of a dimension. Within the dimension labeled Probability, you can have the categories labeled high, medium, and low.

**Related term**

dimension

**cascading events**

A sequence of events triggered by some particular event. Cascading events are also referred to as event cascades.

**Related term**

event

**Contrast with**

recursion

**case sensitivity**

A condition in which the system considers letter case to be significant for the purposes of comparison. For example, "McManus" does not match "MCMANUS" or "mcmanus" in a case-sensitive environment.

**cell**

An intersection of row and column in a crosstab, grid, or worksheet.

Column 1	Column 2	Column 3
Row 1	Data	Data
Row 2	Data	Data
Row 3	Data	Data
Row 4	Data	Data

Cell

**Related terms**

Actuate e.Spreadsheet Designer

column

row

**cell reference**

A location in an e.Spreadsheet worksheet defined by a letter and number. A cell reference can be absolute, external, or relative.

**Related terms**

cell

Actuate e.Spreadsheet Designer

**channel**

A set of pages, news headlines, and other information that a publisher packages and transmits to subscribers.

**Related terms**

Actuate ReportCast technology

publish and subscribe

subscribe

**Contrast with**

unsubscribe

**channel page**

A HyperText Markup Language page that displays the contents of a specific channel.

**Related terms**

Actuate ReportCast technology

channel

hypertext markup language (HTML)

page

**channel subscription page**

A page that displays the set of channels to which a user can subscribe and the user's subscription status.

**Related terms**

Actuate ReportCast technology

channel

channel page

subscribe

**chart**

A graphic layout that displays data or the relationships between sets of data. Actuate products also use the term graph. There are numerous types of charts and graphs supported by Actuate products.

**Related terms**

Actuate e.Report Designer

Actuate e.Report Designer Java™ Edition

Actuate e.Report Designer Professional

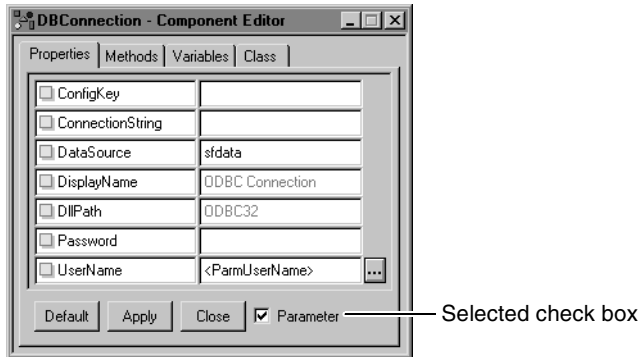
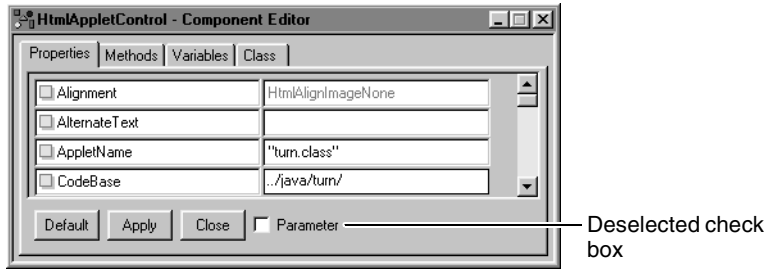
Actuate e.Spreadsheet Designer

data

graph

**check box**

A control that represents an option such as On/Off or True/False set by selecting or deselecting. When selected, the check box contains a check.



## class

A set of methods and variables implemented in Actuate Basic that defines the characteristics of an object. All objects of a given class are identical in form and behavior, but contain different data in their variables.

### Related terms

Actuate Basic  
 Actuate Foundation Class (AFC)  
 base class  
 component  
 concrete base class  
 method  
 object  
 subclass  
 superclass  
 variable

## class declaration

An Actuate Basic statement that defines a class. A class declaration contains other class, method, and variable declarations.

### Related terms

Actuate Basic  
 class  
 declaration  
 method  
 variable

## class hierarchy

A tree structure that represents the inheritance relationships among a set of classes.

### Related terms

base class

class

inheritance

## class name

A unique name given to a class that permits unambiguous references to its public methods and variables.

### Related terms

Actuate Basic

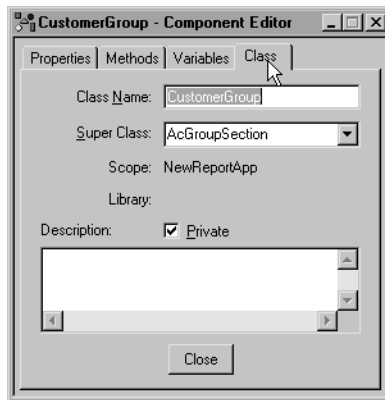
class

method

variable

## Class page

A page in the Component Editor that displays class information about the selected component. A Class page displays information such as superclass and scope of the selected component.



— Tab indicates this page is the Class page

### Related terms

class

component

Component Editor

page

scope

superclass

### Contrast with

Methods page

Properties page

Variables page



## client/server

A relationship in which server software accepts requests from client software and returns the results to the client. Typically, the client and server software are located on different machines and communicate over a network.

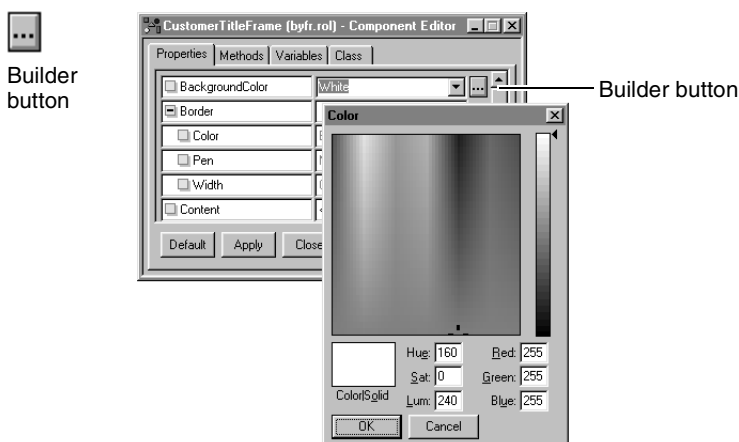
## Clipboard

A temporary storage area used by Windows that holds graphics or text to transfer from one document to another.

**Contrast with**  
Scratch Pad

## Color Chooser

A tool in e.Report Designer and e.Report Designer Professional that specifies colors for parts of the report such as control backgrounds, fonts, frame backgrounds, and lines. Use the Builder button in the Properties page of the Component Editor to access the Color Chooser.

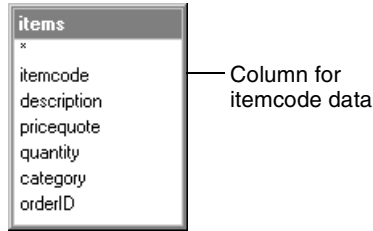


### Related terms

Builder button  
Component Editor  
control  
frame  
Properties page

## column

- 1 A named field in a database table or query. For each row, the column has a different value, called the column value. The term column refers to the definition of the column, not to any particular value.



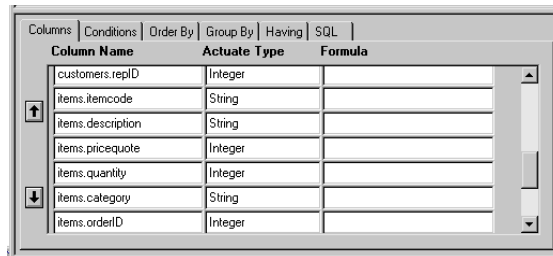
**2** A vertical sequence of cells in an e.Spreadhseet worksheet.

**Related terms**

Actuate e.Spreadsheet Designer  
field  
query  
row  
table  
value

**Columns page**

A page in the Query Editor that lists columns selected for inclusion in an e.report. Use the Columns page to select those columns or define computed columns.

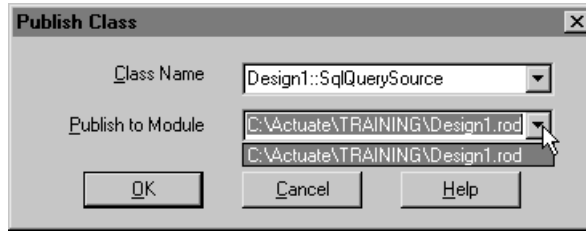


**Related terms**

column  
e.report  
page  
Query Editor

**combo box**

A control that functions as a text box and list box combined. To use a combo box, type a value or select an item from a list.



## command

- 1 A user-initiated action request that takes the form of a name and parameters that can be performed by an application.
- 2 In Actuate ReportCast, commands are part of the scripting language included with the Actuate ReportCast. These commands are embedded in the HTML comments of the Actuate ReportCast template file. The command tells ReportCast how to generate a web page. Scripting language commands use this format:

```
<!-- #Actuate <directive> [options] -->
```

For example:

```
<!-- #Actuate list members (roles) -->
```

### Related terms

Actuate ReportCast

hypertext markup language (HTML)

parameter

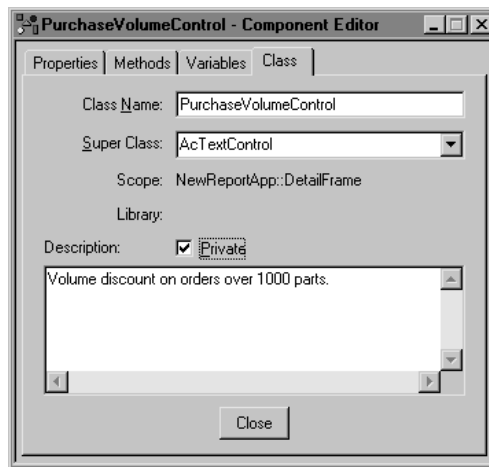
scripting language

template

web page

## comment

- 1 Text on the Class page which documents the purpose of a component.



- 2** Text written in Actuate Basic code to describe your code or your work. Each comment line starts with a single quote (') or the keyword REM followed by a space.

```
GetUserLevel (username$, password$, requestedFunction%) As Boolean
'
' Functional Description:
'
' This function is called at runtime to determine the user's privilege level
' by looking the user up in the db \\local\dbusers, verifying that the
' password matches, and returning True or False for the requested task
'
```

**Related terms**

Actuate Basic

Actuate Foundation Class (AFC)

Class page

component

**Common Gateway Interface (CGI)**

An internet standard that describes how a web server should access external programs so that the data is returned to the user in the form of an automatically generated web page. Forms that a web user fills out generate output handled by a CGI program or script that brings other programs into play as necessary.

**Related terms**

data

internet

program

web server

**compile**

To translate code written by a programmer into object code for execution. In Actuate, compiling is translating a Basic source file into an executable file.

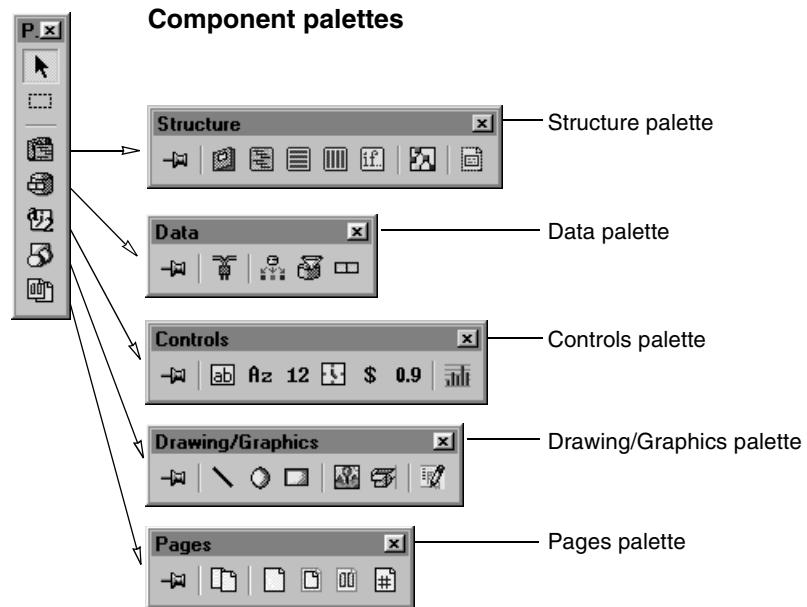
**Related terms**

Basic source (.bas) file

report object executable (.rox) file

**component**

A building block used to construct a report design. Components are representations of Actuate Basic Foundation Classes. Components have properties and methods that define their appearance and behavior. One component can be based on or derived from another component. All components derive from AcComponent, the principal base Actuate Foundation Class. For modification and reuse, components may be grouped and stored in a library.



### Related terms

Actuate Foundation Class (AFC)

class

library

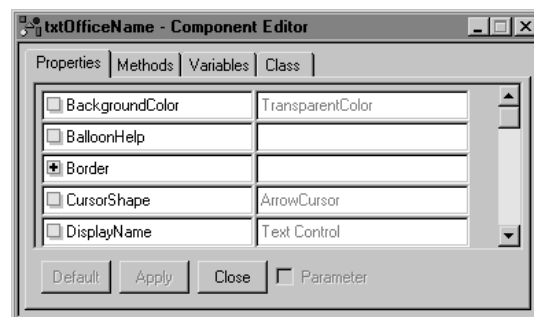
object

structural component

visual component

## Component Editor

A tool in e.Report Designer and e.Report Designer Professional used to define, manipulate, and view methods, properties, and variables of a component. The Component Editor also identifies the class from which the component derives. The Properties page, Methods page, Variables page, and Class page make up the Component Editor.



**Related terms**

class  
Class page  
component  
inheritance  
method  
Methods page  
property  
Properties page  
variable  
Variables page

**component library**

A file that contains components which can be modified for use in one or more report designs. The file suffix of component library files is .rol.

**Related terms**

Actuate Foundation Class (AFC)  
class  
component  
library  
report object library (.rol) file

**component reference property**

A property that stores the name of another component. Component reference properties record reference relationships between components. For example, a frame Content property stores the name of controls within that frame.

**Related terms**

component  
control  
frame  
property

**computed column**

A field defined in a query that displays the result of an expression rather than stored data. The database engine recalculates the value each time it runs the query.

**Related terms**

data  
expression  
field  
query  
value

## concrete base class

A class created to organize a hierarchy or define methods and variables that apply to derived classes. A concrete base class is one for which instances can be created.

### Related terms

base class

class

class hierarchy

method

variable

### Contrast with

abstract base class

## conditional expression

An expression that evaluates to True or False. For example,  $\text{Total} > 3000$ . If the condition is met, the condition evaluates to True. If the condition is not met, the condition evaluates to False.

### Related term

expression

## conditional format

A cell format that appears when a specified condition is met in an e.Spreadsheets worksheet.

### Related terms

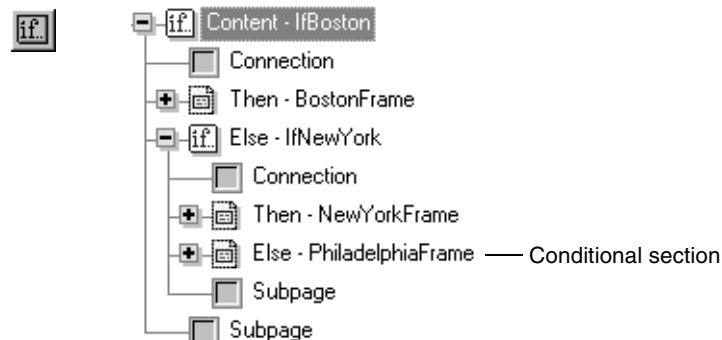
Actuate e.Spreadsheets Designer

cell

format

## conditional section

A section that uses a conditional expression to determine which of two frames or subreports should be included in an e.report.

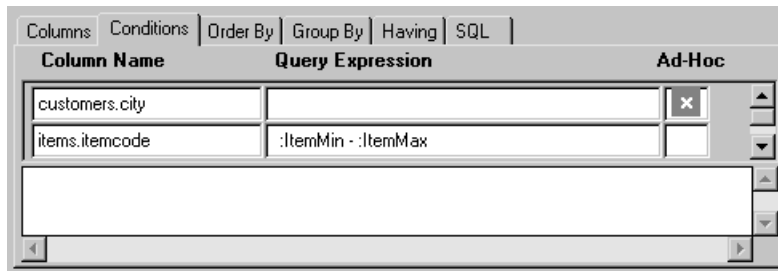


### Related terms

e.report  
frame  
group section  
parallel section  
report section  
section  
sequential section  
subreport

## Conditions page

A page in the Query Editor that displays selection criteria for rows that the query selects from the database.

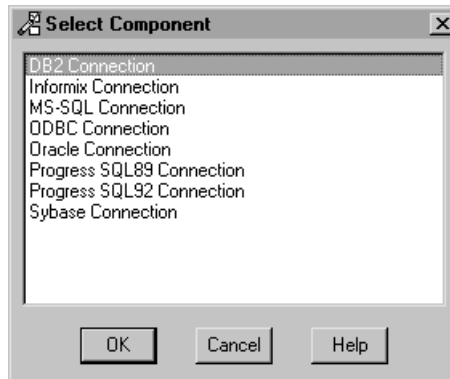


### Related terms

page  
Query Editor  
row

- connection**
- 1 A communication link with a database or other data source. For example, a type of URL used to connect an e.Spreadsheet workbook to a database.
  - 2 A component that establishes a link with a database. Actuate provides several standard connection types, DB2, Informix, Microsoft SQL Server, ODBC, Oracle, Progress 8, Progress 9, Sybase 11.5 and 11.9.2. There are two types of e.reports for which you do not need to define a connection. The first is a subreport that shares a connection with another report. The second is a report that does not get data from a database. For this type of report, you must create a custom data stream. The relevant Actuate Foundation Classes are AcDB2Connection, AcInformixConnection, AcMSSQLConnection, AcODBCConnection, AcOracleConnection, AcProgressConnection, AcProgressSQL92Connection, and AcSybaseConnection.



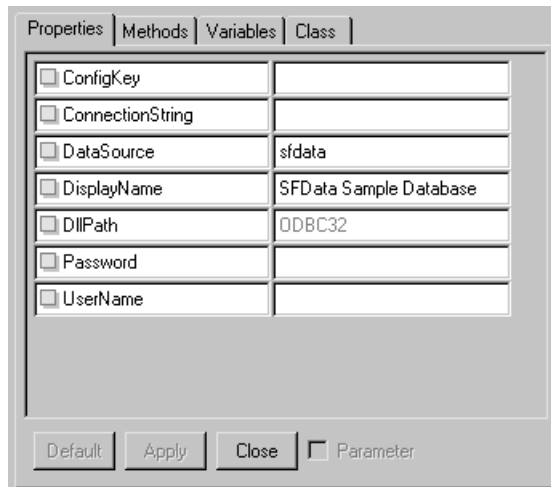


### Related terms

Actuate e.Spreadsheet Designer  
Actuate Foundation Class (AFC)  
component  
data  
data stream  
e.report  
subreport

### Connection property

A value required to establish the connection. The properties required vary depending on the database configuration. Typical connection properties are user name and password. Connection properties are associated with the connection component.



**Related terms**

component  
connection  
password  
property  
value

**consistent report design**

A report design that can be compiled and executed with no errors. Actuate has a design consistency check which examines the report design for references to unknown classes, methods, or variables.

**Related terms**

class  
e.report  
method  
variable

**constant**

An unchanging, predefined value. A constant does not change while a program is running, but the contents of a field or variable can change.

**Contrast with**

field  
value  
variable

**constructor code**

Code that initializes an instance of the class.

**Related terms**

class  
instance

**containment**

A relationship among instantiated objects in an e.report. One component, the container, consists of other components, the contents.

**Related terms**

e.report  
component  
Content  
report object instance (.roi) file

**containment hierarchy**

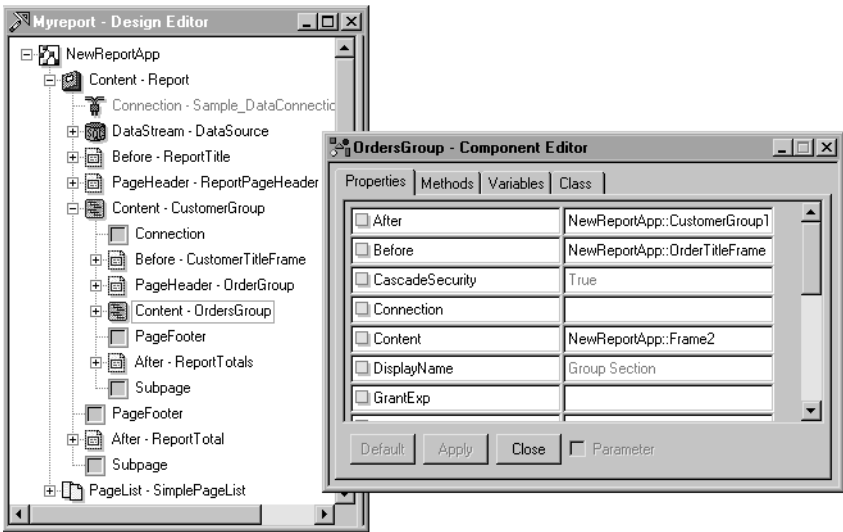
A hierarchy of objects in the e.report.

**Related terms**

e.report  
hierarchy  
Report Object

**Content**

A component reference property that determines what appears in the component for every data row processed by the component. For example, the content of the innermost group section is likely to be a frame displaying data for each detail row.



**Related terms**

- component
- component reference property
- data
- frame

**context menu**

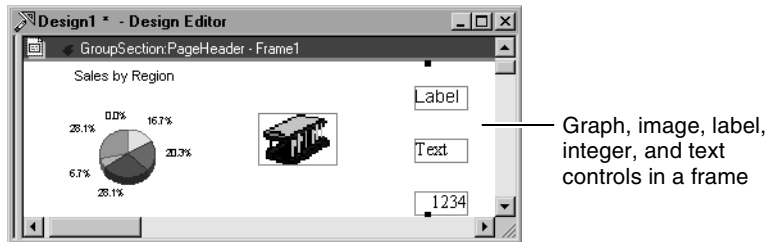
A menu accessed using the right mouse button. The context menu contains commonly used commands associated with a particular item such as a component.

**Related terms**

- command
- component

**control**

A graph, graphic, number, text, or other element that can be placed in a frame or on a page. These objects display data, perform an action, or make the report easier to read. A control can be static or data driven. The relevant Actuate Foundation Class in e.Report Designer Professional is AcControl.



### Related terms

Actuate Foundation Class (AFC)  
component  
data  
frame  
object

## control properties

See property.

## converter

A tool that converts XML output to another format such as DHTML or Adobe PDF.

### Related terms

dynamic hypertext markup language (DHTML)  
extensible markup language (XML)  
format

## copy

A technique that duplicates all currently selected data or objects and places that material temporarily on the Clipboard.

### Related terms

Clipboard  
data

## crosstab report

An e.report that displays data in spreadsheet format using rows and columns. Every cell in a crosstab report contains a calculated value.

The screenshot shows a crosstab report titled "Sales by Office and Salesrep" for "MultiChip Technology". The report is organized with "Office" as the row category and "Salesrep" as the column category. The data is presented in a spreadsheet format with columns for "Dynamic Ram", "Static Ram", "Controllers", and "Total", each further divided into "Sales \$" and "Units".

		Dynamic Ram		Static Ram		Controllers		Total	
		Sales \$	Units	Sales \$	Units	Sales \$	Units	Sales \$	Units
<b>Boston</b>	Murphy, Diane	\$48,737	1,963	\$92,175	1,010	\$31,240	1,020	\$171,672	3,993
	Thompson, Allen	\$40,080	921	\$179,011	1,334	\$34,730	1,334	\$282,841	3,389

**Related terms**

cell  
column  
data  
e.report  
row

**cube**

A data organization technique that supports organizing into multiple dimensions to access and analyze large quantities of data. Actuate e.Analysis supports data formatted into cubes linked to DHTML pages. Users access and analyze these DHTML pages with any Java-enabled web browser.

**Related terms**

Actuate e.Analysis  
cube  
data  
dimension  
dynamic hypertext markup language (DHTML)  
Java  
web browser

**cue card**

An online window that contains a step-by-step procedure to help accomplish an unfamiliar task quickly. The title of each cue card begins "How to..." The procedures are identical to those in the printed manual, so there is no need to cross-check for additional or different information.

**Related terms**

online help  
procedure

**Currency data type**

An Actuate Basic data type used for financial or fixed-point calculations. The Currency data type stores numbers with up to 20 digits to the left of the decimal point and up to 9 digits to the right of the decimal point. The range of the currency data type is -39,614,081,257,132,168,796.771975167 to 39,614,081,257,132,168,796.771975167.

**Related terms**

Actuate Basic  
data type

**customize**

**1** To change component methods or properties to modify appearance or behavior.

**2** To change the product environment.

**Related terms**

component  
method  
property

**cut** A technique that removes all currently selected data or objects and places that material temporarily on the Clipboard.

**Related term**

Clipboard

**data** Information stored in databases, spreadsheets, or documents that can be displayed in an Actuate structured document or e.report. The information can be text, numbers, or graphics.

**Related terms**

data source

e.report

structured content

**data abstraction**

A process of defining new, high-level data types to serve the specialized needs of a particular application or program. Object-oriented languages use this process.

**Related term**

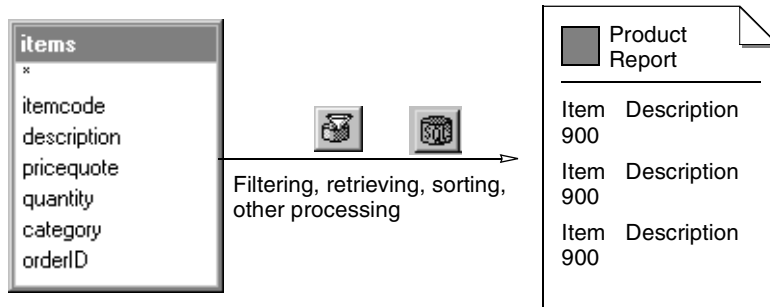
object-oriented programming

**Contrast with**

data type

**data adapter**

A data stream processing component. A data adapter filters, retrieves, sorts, or otherwise processes information. The two types of data adapters are data sources and data filters. The relevant Actuate Foundation Class is AcDataAdapter.



**Related terms**

Actuate Foundation Class (AFC)

data filter

data row

data source

data stream

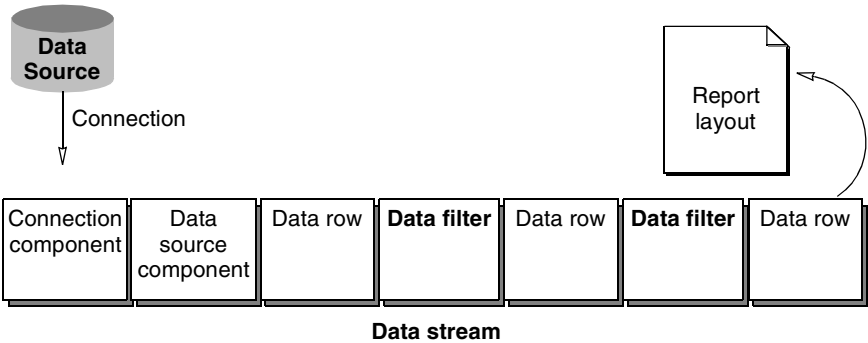
**data control** A component that stores and displays data. The relevant Actuate Foundation Classes are AcCurrencyControl, AcDataControl, AcDateTimeControl, AcDoubleControl, AcIntegerControl, AcNumericControl, and AcTextControl.



**Related terms**  
Actuate Foundation Class (AFC)  
component  
data

**Contrast with**  
static control

**data filter** A component that can compute new values, perform custom lookup, select rows, sort, and join data from multiple data adapters. A data filter is a type of data adapter. Data may pass through a series of filters before being delivered to the report. The relevant Actuate Foundation Classes are AcMemoryBuffer, AcMemoryDataSorter, AcMultipleInputFilter, and AcSingleInputFilter.



**Related terms**  
Actuate Foundation Class (AFC)  
component  
data  
data adapter  
join  
query  
row  
value

**data frame** A frame that displays data from a data row. The relevant Actuate Foundation Class is AcFrame.



**Related terms**

data  
data row  
frame

**Contrast with**

static frame

**data label** Text that describes a data point in an e.Spreadsheets chart. A data label line connects the data label to its data point.

**Related terms**

Actuate e.Spreadsheets Designer  
data

**Data Manager**

An Actuate e.Spreadsheets Designer tool used to create data queries, data ranges, and data sources in a workbook.

**Related terms**

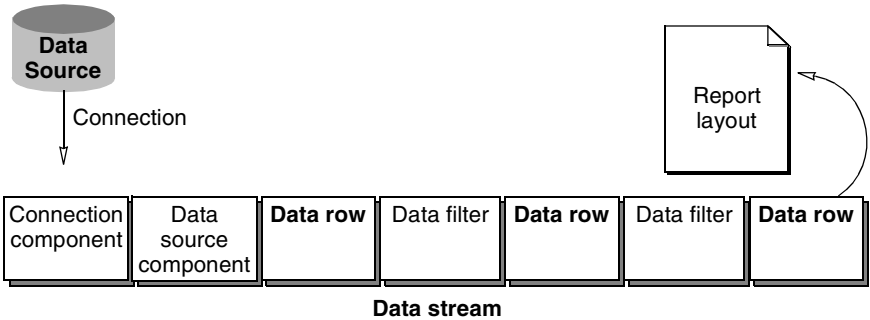
Actuate e.Spreadsheets Designer  
data source

**data pipe** A link from an e.Spreadsheets workbook to an external data source, data query, or data range.

**Related terms**

Actuate e.Spreadsheets Designer  
data source  
link

**data row** A component that describes and contains the output of a data adapter. That output can be used as a source of data for either an e.report or another data adapter. A data row includes a list of variables. The relevant Actuate Foundation Class is AcDataRow.



**Related terms**

Actuate Foundation Class (AFC)  
component



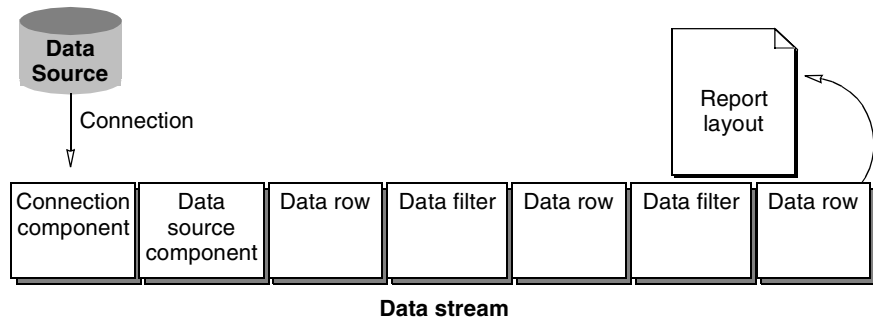
data  
data adapter  
e.report  
variable

- data source**
- 1 A repository of data such as a structured document, a flat file, an object database, a spreadsheet, a SQL database, a Java application, or any other pool of information. An Actuate e.report can include all these types of data.
  - 2 The component that collects data from outside an e.report. The data source is a type of data adapter. All data source components derive from the Actuate Foundation Class as AcDataSource.



**Related terms**  
Actuate Foundation Class (AFC)  
component  
data  
data adapter  
e.report  
structured content

- data stream**
- A sequence of one or more data adapters that collect, process, and deliver data as input to the report layout components.



**Related terms**  
component  
data  
data adapter  
layout

- data type**
- A category for variables that determines characteristics such as the information they can hold and the permitted operations. Fundamental data types include Currency, Date, Double, Integer, Long, Single, String, and Variant.

**Related terms**

Actuate Basic  
Currency data type  
Date data type  
Double data type  
Integer data type  
Long data type  
Single data type  
String data type  
variable  
Variant data type  
**Contrast with**  
data abstraction  
semantic type

**Database Browser**

A tool that shows the available databases, tables, and columns managed by the DBMS server to which Actuate is connected.

**Related terms**

browser  
column  
database management system (DBMS)  
table

**database connection**

See connection.

**database management system (DBMS)**

Software that helps you organize simultaneous access to shared data. Database management programs store relationships among various data elements.

**Related term**

data

**Date data type**

An Actuate Basic data type used for date and time calculations. The Date data type stores floating-point numbers that represent dates ranging from 1 January 100 to 31 December 9999 and times from 00:00:00 to 23:59:59. Date variables display dates and times based on the formats specified by your computer.

**Related terms**

Actuate Basic  
data type  
format

**DBMS (database management system)**

See database management system (DBMS).

**debug** To detect, locate, and fix errors. Typically, debugging involves executing specific portions of a computer program and analyzing the operation of those portions.

**declaration** In Actuate Basic, the definition of a constant, class, variable, or user-defined type that specifies the name and data type.

**Related terms**

Actuate Basic  
class  
constant  
data type  
variable

**declarations section**

The position of an Actuate Basic module that contains constant, data type, and global variable declarations. The declarations section is enclosed in Declare...End Declare.

**Related terms**

Actuate Basic  
constant  
data type  
variable

**default** A value that is automatically assigned by the application when the user does not specify a value.

**Related terms**

override  
value

**delete privilege**

A privilege that provides the option to remove items from the Report Encyclopedia. Other privileges include execute, grant, read, secure read, visible, and write.

**Related terms**

execute privilege  
grant privilege  
privilege  
read privilege  
Report Encyclopedia  
secure read privilege  
visible privilege  
write privilege

**delimited data**

A tab, semicolon, comma, space, or character of your choice that determines column breaks within a row. The resulting data, described as delimited data, is a row of text providing data to an e.Spreadsheet worksheet. The data travels through a data pipe.

**Related terms**

Actuate e.Spreadsheet Designer  
column  
data pipe  
row

**demand paging**

A mechanism for dealing efficiently with large files. Instead of reading an entire file into memory or sending an entire file over a network, pages are sent as needed. This method of data transfer improves response time and optimizes resource usage.

**Related term**

Virtual Report Distribution

**dependency**

A relationship between two items. For example, a dependency exists between a specific report executable (.rox) and a report document (.roi). That means the report document does not run unless the report executable is present.

**Related terms**

report object instance (.roi) file  
report object executable (.rox) file

**derived class**

A descendant class. For example, AcIntegerControl is a derived class of AcDataControl.

**Related terms**

Actuate Foundation Class (AFC)  
class  
descendant class  
subclass

**Contrast with**

ancestor class  
base class  
superclass

**descendant class**

A class based on another class.

**Related terms**

Actuate Foundation Class (AFC)  
class  
derived class  
subclass

**Contrast with**

ancestor class  
base class  
superclass

## design

- 1 The process of creating a report specification. Designing an e.report includes selecting data streams, laying out the report visually, and saving the layout in a report design (.rod) file. Report designs can be edited in e.Report Designer and e.Report Designer Professional by opening the design file.
- 2 A report specification. Actuate stores report designs in a report object design (.rod or .jod) file or in an e.Spreadsheet design (.vts) file.

### Related terms

Actuate e.Report Designer

Actuate e.Report Designer Java™ Edition

Actuate e.Report Designer Professional

Actuate e.Spreadsheet Designer

data stream

e.report

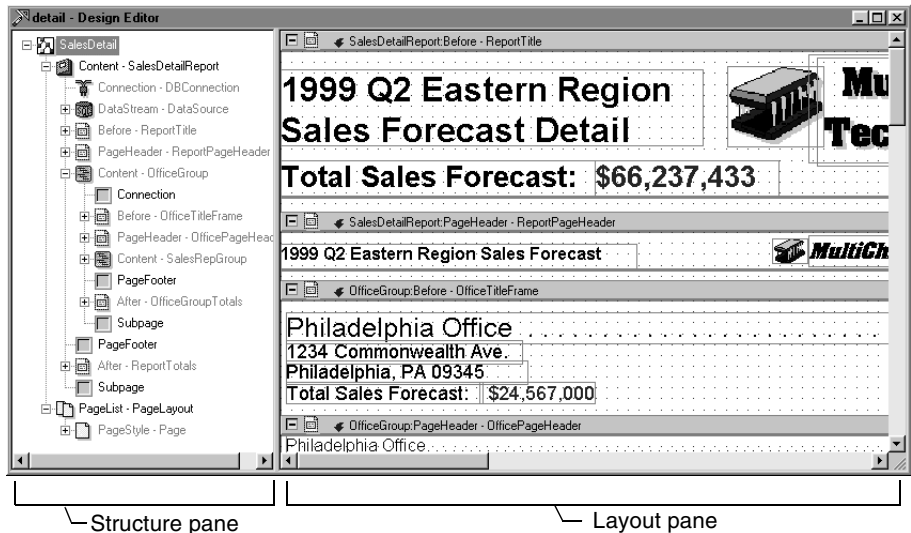
e.Spreadsheet template (.vts) file

report object design (.rod) file

report object design (.jod) file Java Edition

## Design Editor

The tool used to specify the structure and appearance of an e.report or a single component.



### Related terms

component

e.report

layout pane

structure pane

**detail frame** A frame that prints for each row from the data stream. To create a detail frame, place a frame in the Content slot of an e.report or group section.

**Related terms**

Content  
data stream  
e.report  
frame  
group section  
row

**Developer Workbench**

See Actuate e.Report Designer Professional.

**DHTML (dynamic hypertext markup language)**

See dynamic hypertext markup language (DHTML).

**dimension** A data category used by Actuate e.Analysis to create an axis of a cube for presentation of a data view. The view displays two dimensions at a time. The dimension bar lists all possible dimensions of the cube.

**Related terms**

Actuate e.Analysis  
category  
cube  
data  
view

**directive** See ReportCast directive.

**DLL (dynamic-link library)**

See dynamic-link library (DLL).

**document object model (DOM)**

A model that defines the structure of a document such as an HTML or XML document. The document object model defines interfaces that dynamically create, access, and manipulate the internal structure of the document.

**Related terms**

extensible markup language (XML)  
hypertext markup language (HTML)  
structured content

**document type definition (DTD)**

A set of markup tags and their interpretation that together define the structure of a document.

**Related terms**

extensible markup language (XML)  
structured content

## domain name

A name that defines individual internet computers. For example, Actuate Corporation's domain name is Actuate. The web address is www.actuate.com.

### **Related term**

internet

## dot notation

Syntax that refers to the methods and variables of an object. The dot separates the name of an object handle from the name of an instance variable or method in the referenced object.

### **Related terms**

method

object

syntax

variable

## Double data type

An Actuate Basic data type that stores double-precision floating point numbers, ranging in value from -1.797693134862315E308 to -4.94066E-324 for negative values and from 4.94066E-324 to 1.797693134862315E308 for positive values.

### **Related terms**

Actuate Basic

data type

## drag-and-drop

A Windows technique that requires clicking the mouse button while the pointer is over an object you wish to select and move. Hold the mouse button down to drag the object over the destination. Release the mouse button to drop the object at the destination. The operation that is performed by this action, such as copy, move, subclass, or publish, depends on the component you select and the place where you drop it.

### **Related terms**

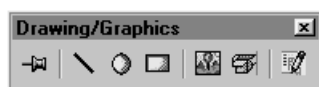
publish and subscribe

slot

subclass

## drawing control

A component that adds graphic elements to a report design. Actuate provides ellipse, image, line, OLE container, and rectangle. The relevant Actuate Foundation Classes are AcEllipseControl, AcHtmlImageControl, AcHtmlRuleControl, AcImageControl, AcLineControl, AcOleContainerControl, and AcRectangleControl.



**Related terms**

Actuate Foundation Class (AFC)  
control  
ellipse control  
image control  
line control  
OLE (object linking and embedding)  
rectangle control

**driver program**

An interface between the Actuate e.Reporting Server and a third-party program.

**Related terms**

Actuate e.Reporting Server  
auto-archive driver  
open server driver

**DTD (document type definition)**

See document type definition (DTD).

**dual y-axis graph**

A type of graph that has two independent y-axes.

**Related terms**

base graph  
graph  
overlay graph

**dynamic hyperlink**

A programmed connection from one part of an e.report to another part of a different report. The dynamic hyperlink differs from a standard hyperlink by first generating a new report, then linking the source report to the destination report. The standard hyperlink simply connects two existing reports. To program a dynamic hyperlink, use the Requester API.

**Related terms**

Actuate Software Development Kit (SDK)  
Application Programming Interface (API)  
e.report  
hyperlink

**dynamic hypertext markup language (DHTML)**

An HTML extension that provides greater control over page layout elements. DHTML provides interactivity in a web page without the necessity for communication with a web server. The Document Object Model Group of the W3C is developing DHTML standards.



**Related terms**

hypertext markup language (HTML)  
layout  
World Wide Web Consortium (W3C)

**dynamic-link library (DLL)**

A library of routines loaded and linked into applications at run time. Such routines may provide such functions as data source Application Programming Interfaces (APIs), specialized mathematical or statistical analysis, and audio or video processing. These routines can be called from Actuate Basic.

**Related term**

Actuate Basic

**ellipse control**

A component that adds a circular or oval graphic shape to a report design. The relevant Actuate Foundation Class is AcEllipseControl.

**Related terms**

Actuate Foundation Class (AFC)  
component  
control  
drawing control

**embed**

To insert a copy of an OLE object from one application inside another. Once embedded, the object has no association with the original source object.

**Related terms**

link  
object  
OLE (object linking and embedding)

**empty**

A value that indicates a variable has not been initialized. Empty equals zero in a numeric context, zero-length in a string context, or Nothing in the case of an object handle.

**Related terms**

value  
variable

**encapsulation**

A technique of packaging related data functions and subroutines together. Encapsulation compartmentalizes the structure and behavior of a class, hiding the implementation details, so that parts of an object-oriented system need not depend on, or affect, each other's internal details. The mechanism for encapsulation is an object.

**Related terms**

class  
data  
function  
object  
subroutine

**Encyclopedia**

See Report Encyclopedia.

**End User Desktop**

See Actuate End User Desktop.

**enterprise**

A large collection of networked computers running on multiple platforms. Enterprise systems can include both mainframes and workstations integrated into a single manageable environment. Software products include browsers, applications, applets, web protocols, and multiple databases supporting a warehouse of information.

**Related terms**

application  
browser  
enterprise reporting

**enterprise reporting**

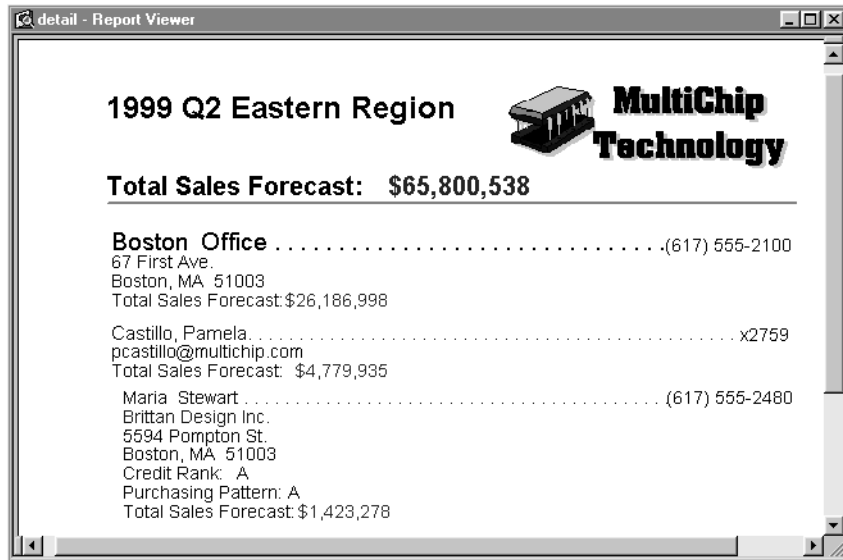
The production of a high volume of simple and complex structured documents that collect data from a variety of data sources. These e.reports are deployed to a large number of geographically distributed users working in both client/server and internet environments.

**Related terms**

client/server  
data  
e.report  
enterprise  
internet  
structured content

**e.report**

A structured document that follows a set of rules to organize, summarize, and present data from many records.



#### **Related terms**

structured content  
XML report

### **e.reporting**

A technology that draws data from multiple data sources such as spreadsheets and databases and presents it as structured content for viewing in a web browser.

#### **Related terms**

data  
data source  
structured content  
web browser

### **e.Reporting Server**

See Actuate e.Reporting Server.

### **escape character(\)**

A character provided to take care of cases where special characters are to be taken literally rather than treated specially. This character is valid only in Query by Example (QBE) expressions.

#### **Related term**

Query by Example (QBE)

## **e.Spreadsheets template (.vts) file**

A file that contains a spreadsheet or workbook that can be used as a report design. e.Spreadsheets template files are created using the e.Spreadsheets Designer. A Microsoft Excel (.xls) file can be created from an e.Spreadsheets Template file by using the e.Spreadsheets Option installed on the Actuate e.Reporting Server.

### **Related terms**

Actuate Palette Representation (.apr) file

Actuate e.Reporting Server

Actuate e.Spreadsheets Designer

Actuate e.Spreadsheets Option

Basic source (.bas) file

e.report

e.Spreadsheets template package (.vtf) file

report object design (.rod) file

report object executable (.rox) file

report object instance (.roi) file

report object library (.rol) file

search definition (.ros) file

## **e.Spreadsheets template package (.vtf) file**

A zip file that contains a single spreadsheet file, either an e.Spreadsheets template (.vts) file or a Microsoft Excel (.xls) file, and other files such as properties files, XSL files, and graphics files used in an e.Spreadsheets report template. e.Spreadsheets template package files are created using the e.Spreadsheets Designer. A Microsoft Excel (.xls) file can be created from an e.Spreadsheets Template file by using the e.Spreadsheets Option installed on the Actuate e.Reporting Server.

### **Related terms**

Actuate Palette Representation (.apr) file

Actuate e.Reporting Server

Actuate e.Spreadsheets Designer

Actuate e.Spreadsheets Option

Basic source (.bas) file

e.report

e.Spreadsheets template (.vts) file

report object design (.rod) file

report object executable (.rox) file

report object instance (.roi) file

report object library (.rol) file

search definition (.ros) file

## **event**

- 1 An action or occurrence recognized by an object. Each object responds to a predefined set of events that can be extended by the developer. For example, user events include clicking the mouse button and moving a pointer.

- 2** An action or occurrence associated with an object. For example, object moved, object operation completed, object operation failed, and object renamed.

**Related terms**

event handler  
object

**event handler**

A method that runs in response to an event. Event handlers override the method's default action.

**Related terms**

event  
method

**executable file**

A file that contains machine-readable instructions that, when run, perform one or more tasks. Actuate report executables have .rox filename extensions.

**Related term**

report object executable (.rox) file

**execute privilege**

A privilege that provides the option to run items from the Report Encyclopedia. Other privileges include delete, grant, read, secure read, visible, and write.

**Related terms**

delete privilege  
grant privilege  
privilege  
read privilege  
Report Encyclopedia  
secure read privilege  
visible privilege  
write privilege

**expiration**

An Actuate ReportCast channel property that specifies how long an e.report and its headline appear as a selection.

**Related terms**

Actuate ReportCast technology  
channel  
e.report  
property

**expression**

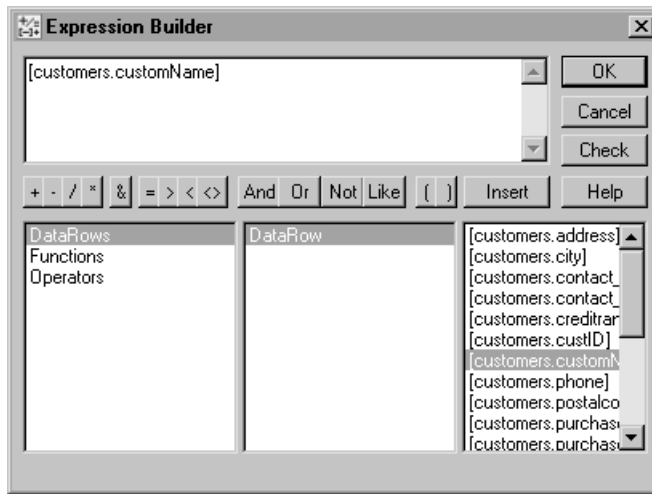
A combination of constants, controls, functions, literal values, names of fields, and operators that evaluates to a single value. Expressions can set property values.

**Related terms**

constant  
control  
field  
function  
property  
value

**Expression Builder**

A tool used to write expressions.

**Related term**

expression

**extensible markup language (XML)**

A markup design language or a meta-language from which markup languages can be derived. XML is a simplified form or subset of SGML developed specifically for use on the World Wide Web. XML organizes data into a strictly defined hierarchy that facilitates data exchange. XML is content-oriented rather than format-oriented.

**Related terms**

data  
standard generalized markup language (SGML)  
World Wide Web (WWW or W3)

**Contrast with**

hypertext markup language (HTML)

**extensible style language for transformation (XSLT)**

A language for manipulating and formatting XML documents.

**Related term**

extensible markup language (XML)

**external cell reference**

A cell reference that points to a location in a different e.Spreadsheet workbook.

**Related terms**

absolute cell reference  
cell  
cell reference  
relative cell reference

**Factory**

An internal tool that generates an e.report for viewing. The Factory follows the instructions in a report executable (.rox) file to generate a report (.roi).

**Related terms**

e.report  
report object executable (.rox) file  
report object instance (.roi) file  
view

**Factory process**

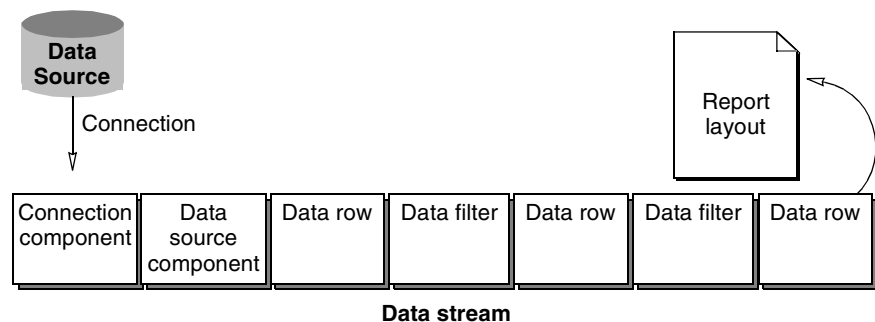
An Actuate e.Reporting Server process that generates a report instance file (.roi) from a report executable file (.rox) and issues notification of the completion of the e.report. The server processes are Administration, Factory, Persistent Object, Print, Request, and View.

**Related terms**

e.report  
notification  
report object executable (.rox) file  
report object instance (.roi) file  
server processes

**fetch**

To retrieve the next available data row. Data adapters fetch data rows. If the data adapter is a data source component, the fetch reads a new data record from the database or other data source. If the data adapter is a filter, then the filter retrieves a data row from another data adapter and processes the row.



### Related terms

data  
data adapter  
data filter  
data row  
data source

## field

The smallest identifiable part of a table structure. A field is also called a column.



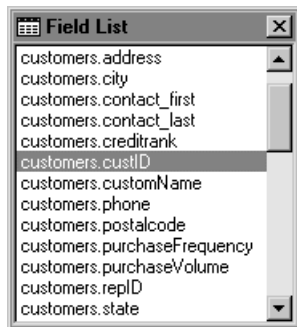
Field in the Items table

### Related term

column

## Field List

A tool in e.Report Designer Professional that shows all the fields in the data row that are returned by a data stream.



Field in the data row

### Related terms

data row  
data stream

## file dependency

A file property that means one file depends upon another file for its existence. For example, the Actuate e.Reporting Server automatically creates a dependency between a report document (.roi file) and the report object executable (.rox file). Both files must be present to run and view an e.report.



**Related terms**

Actuate e.Reporting Server  
e.report  
property  
report object instance (.roi) file  
report object executable (.rox) file

**file types**

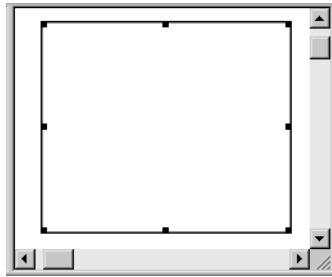
See Actuate Palette Representation (.apr) file, Basic source (.bas) file, e.Spreadsheets template (.vts) file, e.Spreadsheets template package (.vtf) file, report object design (.jod) file Java Edition for the Actuate e.Report Designer Java™ Edition, report object design (.rod) file for Actuate e.Report Designer and Actuate e.Report Designer Professional, report object executable (.rox) file, report object instance (.roi) file, report object library (.rol) file, report object value (.rov) file, report object web (.row) file, search definition (.ros) file.

**filter**

See data filter.

**flow**

A component that defines a printable area of a page. Flows determine the columns and margins of a page. The relevant Actuate Foundation Class is AcFlow.

**Related terms**

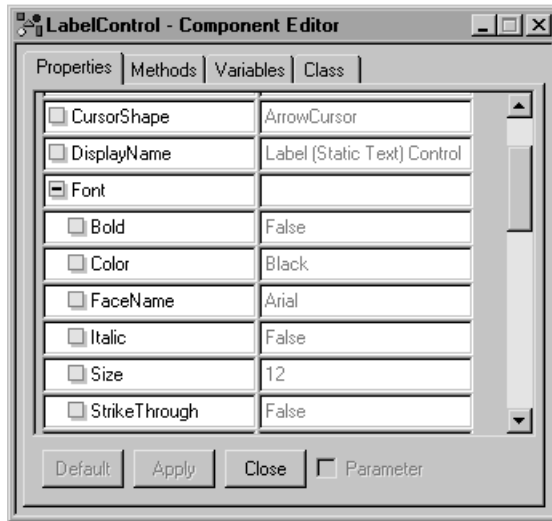
Actuate Foundation Class (AFC)  
component  
page

**Contrast with**

frame

**font**

A family of characters of a given style. Fonts contain information specifying typeface, weight, posture, and type size. Properties can be set to specify different type sizes and styles such as bold, italic, and so on.



### Related term

property

## footer

A unit of information that appears at the bottom of a page. A group footer is a unit of information that appears at the bottom of a group section.

### Related terms

group

group section

page

### Contrast with

header

## format

A series of standard options that display and print dates, numbers, text, and times. Actuate products provide both pre-defined formats and permit user-defined formats.

### Related term

Actuate Basic

## format toolbar

A toolbar used to change properties quickly without using the Component Editor. The properties available through the format toolbar include alignment, font, font color, font size, and font style.



### Related terms

Component Editor

font

toolbar

## forms-capable browser

A browser that handles HyperText Markup Language (HTML) forms. HTML tags enable interactive forms including fill-in text areas, option buttons, drop-down list boxes, and check boxes.

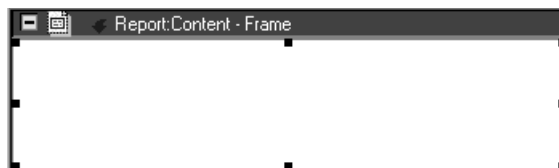
### Related terms

browser

hypertext markup language (HTML)

## frame

- 1 A rectangular container for controls such as graphics, numbers, and text. In e.Report Designer Java Edition the term zone is used instead of frame.



- 2 An HTML frame is an independently scrollable section of a window that divides a web page into horizontal and vertical sections. Actuate structured documents can include HTML frames. Actuate ReportCast template files make use of HTML tables.

### Related terms

Actuate ReportCast

data frame

static frame

ReportCast template file

## framework

A set of classes, such as the Actuate Foundation Classes, that provide an architecture for building an application.

### Related terms

class

Actuate Foundation Class (AFC)

## function

- 1 A sequence of instructions that has been defined as a separate unit within a program, allowing the unit to be invoked anywhere in the program simply by including its name as one of the instructions. An Actuate Basic function is similar to a subroutine except it returns a value.
- 2 A keyword in an e.Spreadsheets worksheet that performs a specific calculation or evaluation in a formula.

### Related terms

Actuate Basic

Actuate e.Spreadsheets Designer

keyword

program

value

### Contrast with

subroutine

## **generate code**

A process that precedes compiling. Generating code translates the report design file (.rod file) into Actuate Basic code (.bas file).

### **Related terms**

Actuate Basic  
Basic source (.bas) file  
compile  
report object design (.rod) file

## **global name space**

A list of names of items available throughout a report design. The list may include names of classes, functions, and variables.

### **Related terms**

class  
function  
report object design  
scope-resolution operator (::)  
variable

## **global variable**

A variable available to all procedures in an application. A global variable stays in memory until the application ends.

### **Related terms**

instance variable  
procedure  
static variable  
variable

## **Globals Browser**

A tool that shows the symbols in an e.report.

### **Related terms**

browser  
e.report

## **grandchild class**

See descendant class.

## **grandparent class**

See ancestor class.

## **grant privilege**

A privilege that provides the option to extend privileges for a specific item in the Report Encyclopedia to other users. The user who develops a particular item and places it in the Report Encyclopedia and the administrator both have grant privileges for that item. Other privileges include delete, execute, read, secure read, visible, and write.

**Related terms**

delete privilege  
execute privilege  
privilege  
read privilege  
Report Encyclopedia  
secure read privilege  
visible privilege  
write privilege

**graph**

A component used to create or display information visually in an e.report. Actuate products provide standard business charts and graphs such as pie charts, bar graphs, and scatter graphs. The relevant Actuate Foundation Class is AcGraph.

**Related terms**

Actuate Foundation Class (AFC)  
chart  
component  
control  
e.report

**grid**

- 1 A vertical and horizontal pattern of lines that helps users position design components accurately. The grid appears in the layout pane of the Design Editor.
- 2 A demarcation line that defines categories, dates, times, or other values in an e.Spreadsheets chart.

**Related terms**

Actuate e.Report Designer  
Actuate e.Report Designer Professional  
Actuate e.Spreadsheets Designer  
component  
Design Editor  
layout pane  
value

**group**

- 1 A set of data rows that have one or more column values in common. For example, in a sales report, a group consists of all the orders placed by the same customer.
- 2 A notification list. All users can use any notification list, but only the administrator can modify or create a list.
- 3 A collection of objects in an e.Spreadsheets worksheet that have been bound together to move, select, and size.
- 4 A collection of interrelated e.Spreadsheets workbooks.

**Related terms**

Actuate e.Spreadsheet Designer  
administrator  
column  
data row  
group owner  
grouped report  
notification  
value

**group owner**

A user who controls the membership of a group.

**Related term**

group

**group section**

A component that sorts rows on a common field. For example, customers can be grouped by state. Group sections are used to create grouped reports.

**Related terms**

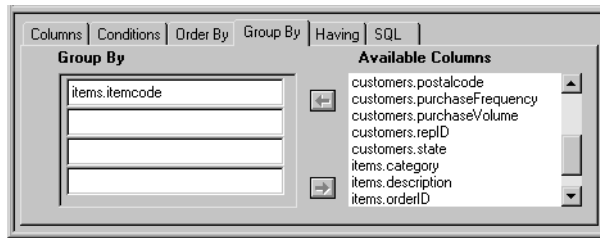
component  
group  
grouped report  
row  
section

**Contrast with**

conditional section  
parallel section  
report section  
sequential section

**Group By page**

A page in the Query Editor that displays definitions of aggregate rows. Use the Group By page to specify aggregate rows, which summarize data from a group of rows.



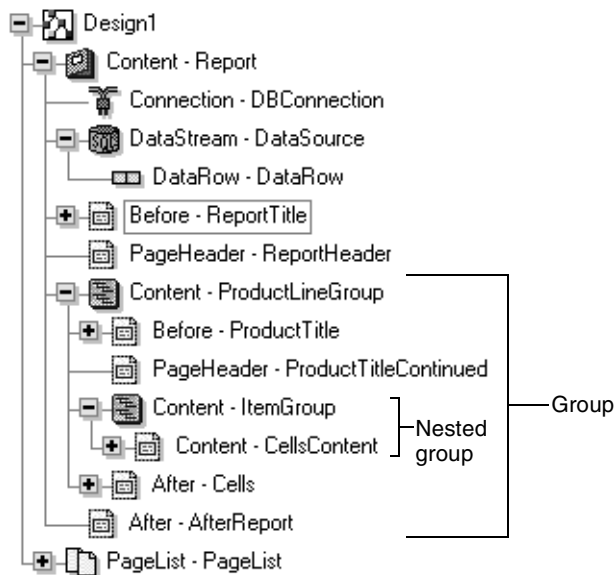
### Related terms

aggregate row  
data  
page  
row  
Query Editor

## grouped report

An e.report that organizes data in nested groups.

### Structure pane of a grouped report

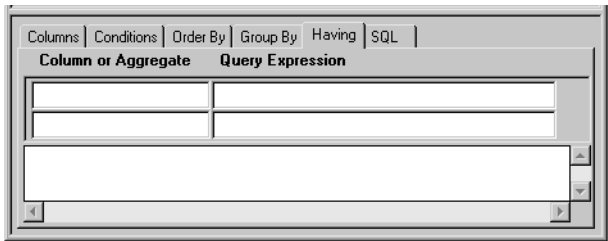


### Related terms

data  
e.report  
group

**Having page**

A page in the Query Editor that displays selection criteria for aggregate rows.



**Related terms**

aggregate row  
e.report  
page  
Query Editor

**header**

A unit of information that appears at the top of every page. A group header is a unit of information that appears at the beginning of a group section.

**Related terms**

group  
group section  
page

**Contrast with**

footer

**help**

See online help.

**hexadecimal number**

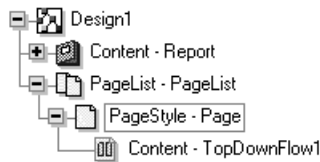
A number in base 16. A hexadecimal number uses the digits 0 through 9 and the letters A through F. Each place represents a power of 16. By comparison, base 10 numbers use the digits 0 through 9. Each place represents a power of 10.

**Related terms**

binary number  
octal number

**hierarchy**

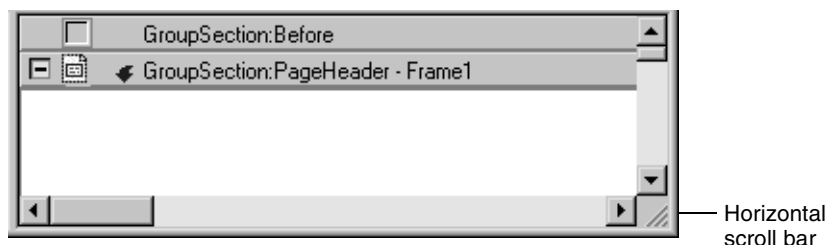
Any tree structure that has a root and branches that do not converge.





## horizontal scroll bar

A scroll bar at the bottom of the window used to move the screen view to the left and right to access information formats wider than the existing document screen settings permit.



**Contrast with**  
vertical scroll bar

## HTML

See hypertext markup language (HTML).

## HTTP

See HyperText Transfer Protocol (HTTP).

## hyperlink

**1** A programmed connection from one part of an e.report to another part of the same or different e.report. Typically, hyperlinks let the user access related information within the same report, in another report, or in another application. A hyperlink is indicated by a change in the cursor shape to a hand. The relevant Actuate Foundation Class is AcReportController.



**2** A jump to another location on the same or a different web page.

### **Related terms**

Actuate Foundation Class (AFC)

e.report

dynamic hyperlink

link

## hypertext markup language (HTML)

A set of conventions that determine the format of a section of a document. HTML is the markup language that tells a parser that the text is a certain portion, for example, the title, heading, or body text, of a document on the World Wide Web. The parser programs that access these documents are called web browsers.

### **Related terms**

web browser

World Wide Web (WWW or W3)

## HyperText Markup Language Page

A page containing tags that a web browser interprets and displays. This page can also be called a web page.

### Related terms

Actuate ReportCast technology  
page  
web browser

## HyperText Transfer Protocol (HTTP)

An internet standard that supports the exchange of information using the World Wide Web. HTTP enables the embedding of hyperlinks from one part of a web document to another part of the same document or a different document.

### Related terms

internet  
World Wide Web (WWW or W3)

## icon

An image representing a specific component, executable file, or task.



— Design Editor icon

### Related terms

component  
executable file

## identifier

The name of an item in a program such as a class, function, or variable.

### Related terms

class  
function  
program  
variable

## image

An imported graphic file. Actuate supports .bmp, .jpg, .pcx, .tga, and .tif files.

## image control

A component that adds a bitmap or other graphic to a report design. The relevant Actuate Foundation Class is AcImageControl.



### Related terms

Actuate Foundation Class (AFC)  
bitmap  
component  
control  
image

## implicit declaration

A variable declaration in an assignment statement rather than in the Dim, Global, or Static statements. Implicit declaration is supported in Visual Basic, but not in Actuate Basic. All declarations in Actuate Basic are explicit.

### Related terms

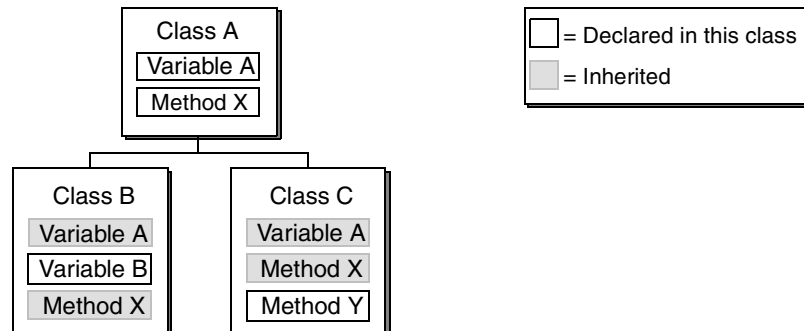
declaration  
statement  
variable

## imported object

See OLE (object linking and embedding).

## inheritance

A mechanism whereby one class of objects can be defined as a special case of a more general class and automatically includes the method and variable definitions of the general class, known as a base or superclass. The superclass serves as the baseline for the appearance and behavior of the derived class, or subclass. In the subclass, the appearance and behavior can be further specialized without affecting the superclass. There are two kinds of inheritance: single inheritance and multiple inheritance. Typically, a subclass augments or redefines the behavior and structure of its superclass or superclasses.



### Related terms

base class  
class  
derived class  
method  
multiple inheritance  
object  
single inheritance  
subclass  
superclass  
variable

<b>initial view</b>	<p>The first view a user sees when the user opens a cube.</p> <p><b>Related term</b> cube</p>
<b>inner join</b>	<p>A type of join that returns records from two tables based on their having specified values in the join fields. The most common type of inner join is the equi-join, in which records are combined and returned based on field values being equal. For example, if customer and order tables are joined on customer ID, the result set will contain only combined customer and order records where the customer IDs are equal.</p> <p><b>Related term</b> join</p> <p><b>Contrast with</b> outer join</p>
<b>input area</b>	<p>A rectangular area on a computer screen, such as a dialog box, in which you can type values.</p>
<b>input object</b>	<p>A parameter passed to a request.</p>
<b>input source</b>	<p>See data source.</p>
<b>instance</b>	<p>An object that belongs to a particular class. The objects contain only their particular values for the variables. An instance has state, behavior, and identity.</p> <p><b>Related terms</b> class object variable</p>
<b>instance variable</b>	<p>A variable that can contain a different value in each instance of a class. For example, instance variables store data values, font, and size.</p> <p><b>Related terms</b> class global variable value variable</p> <p><b>Contrast with</b> static variable</p>
<b>instantiation</b>	<p>The process of creating an object from a particular class.</p> <p><b>Related terms</b> class instance object</p>

**Integer data type**

An Actuate Basic data type that stores whole numbers, ranging in value from -2,147,483,648 to 2,147,483,647.

**Related terms**

Actuate Basic  
data type

**internet**

A system of linked networks that provides services such as remote login, file transfer, electronic mail, and newsgroups. The internet enables existing computer networks to extend their reach and connectivity. The Actuate LRX (Live Report Extension) and the Actuate ReportCast are tools that take advantage of internet capabilities to provide access to reports distributed over the World Wide Web.

**Related terms**

Actuate Live Report Extension (LRX)  
Actuate ReportCast  
web server  
World Wide Web (WWW or W3)

**Internet Explorer**

See Microsoft Internet Explorer.

**IP address**

The unique 32-bit ID of a node on a TCP/IP network. At login, an Actuate report server accepts an IP address.

**Java**

A programming language designed for writing client/server and networked applications, particularly for delivery on the World Wide Web. Java can be used to write applets that animate web pages or to create interactive web sites.

**Related terms**

applet  
application  
client/server  
World Wide Web (WWW or W3)

**Java Development Toolkit (JDK)**

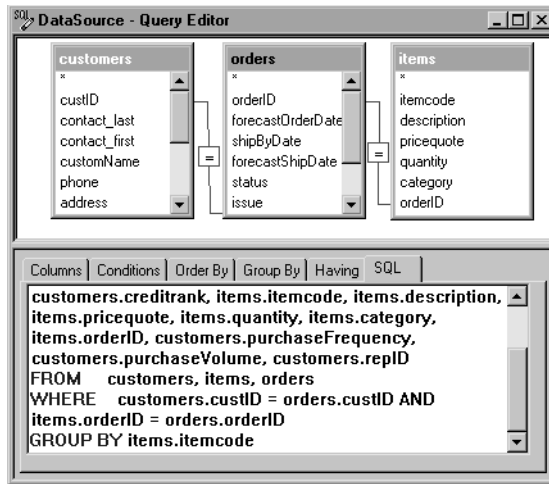
Defines the Java API.

**Related term**

Application Programming Interface (API)

**join**

A SQL query operation that combines records from two tables and returns them in a result set based on the values in the join columns. When used without further qualification, join usually refers to an equi-join. For example, customer and order tables are joined on a common field such as customer ID. The result set contains combined customer and order records in which the customer IDs are equal.



### Contrast with

inner join

outer join

### keyword

- 1 A symbol recognized as part of a programming language. For example, If, Then, and Loop are Actuate Basic keywords.
- 2 A name in an e.Spreadsheet function that invokes the corresponding function.

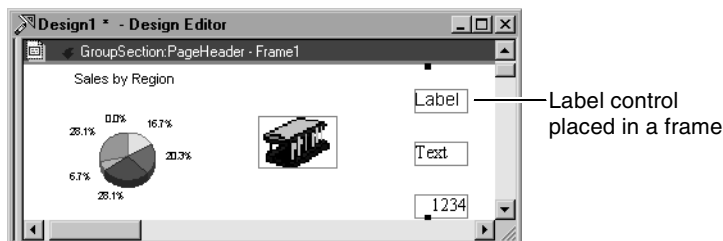
### Related terms

Actuate Basic

Actuate e.Spreadsheet Designer  
function

### label control

A component that adds static numbers and text to an e.report. For example, a label control can be a heading above a column of data. A label control must be in a flow, frame, or page. The relevant Actuate Foundation Class is AcLabelControl.



**Related terms**

Actuate Foundation Class (AFC)

component

control

flow

frame

page

**Contrast with**

text control

**layout**

The designed appearance of an e.report including controls, flows, graphic elements, and margins. HTML page layouts have a narrower range of options than standard page layouts. For example, HTML supports horizontal lines, not vertical lines. Actuate HTML reports can contain tables and aligned controls in columnar layout. The HTML palette includes specific classes such as AcHtmlTable, and components to support layout requirements in an HTML report.



Controls and graphic elements of a report title page

**Related terms**

control

e.report

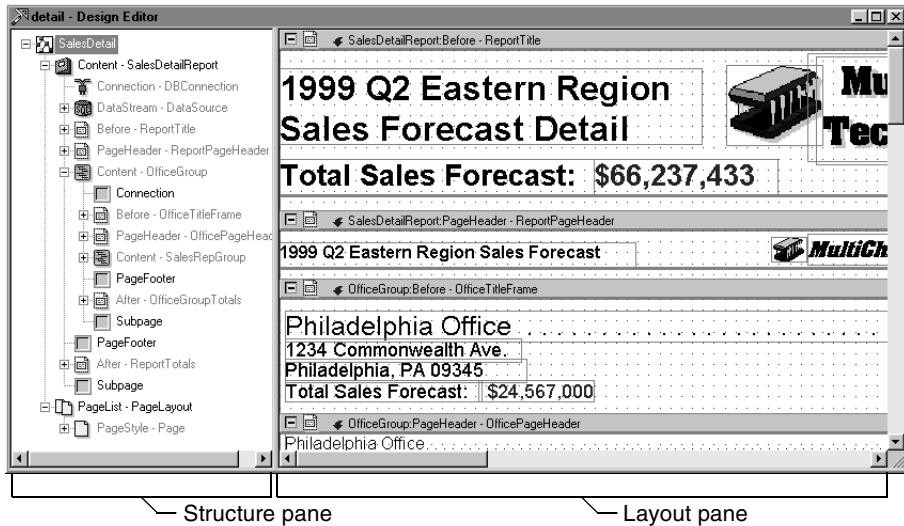
flow

hypertext markup language (HTML)

palette

**layout pane**

A portion of the Design Editor window that displays a visual representation of components showing their appearance. The other portion of the Design Editor window is the structure pane.



### Related terms

component  
Design Editor  
structure pane

### level-break listing

See grouped report.

### level-break section

See group section.

### library

A file that contains published components.

#### Related terms

Actuate Foundation Class Library  
component  
publish  
report object library (.rol) file

### Library Browser

A tool that lists the components that have been published in a library.

#### Related terms

component  
library  
publish

### library file

See report object library (.rol) file.



**line control** A component that draws a line in a report design. Line controls are contained in a flow, frame, or page. The relevant Actuate Foundation Class is AcLineControl.



**Related terms**

Actuate Foundation Class (AFC)  
component  
control  
flow  
frame  
page

**link**

- 1 A connection between an OLE object and its object application. Some database products use link as a synonym for join. Actuate's e.Report Designer and e.Report Designer Professional use the term join, not link.
- 2 A connection between an e.Spreadsheets workbook and its data sources.

**Related terms**

Actuate e.Spreadsheets Designer  
hyperlink  
OLE (object linking and embedding)

**Contrast with**

join

**list box** A user interface element that provides a series of choices.



**listing report**

A report that provides a simple view of ungrouped data. A listing report uses the same frame to print every row.

**Related terms**

data  
e.report  
frame  
row

**Live Report Extension (LRX)**

See Actuate Live Report Extension (LRX).

**logic error** A programming mistake that causes code to produce incorrect results or halt the program.

## Long data type

An Actuate Basic data type that stores four-byte integers, ranging in value from -2,147,483,648 to 2,147,483, 647.

### Related terms

Actuate Basic  
data type  
value

## LRX

See Actuate Live Report Extension (LRX).

## macro sheet

An e.Spreadsheet worksheet that preserves Microsoft Excel macros.

### Related term

Actuate e.Spreadsheet Designer

## mailing label report

A report that formats name and address information to be printed on address stickers such as Avery labels.

### Related term

e.report

## matrix

See crosstab report.

## MDI (multiple document interface)

A Windows protocol that lets you open multiple document windows within an application window.

## member

**1** A method or variable defined in a class.

**2** A user, a role, or a group in an e.Reporting Server.

### Related terms

Actuate e.Reporting Server  
class  
method  
variable

## menu bar

A horizontal bar below the title bar that contains menu names.



## method

A function that accesses the data in an object or a class. Methods are written in Actuate Basic.

### Related terms

Actuate Basic

class

data

function

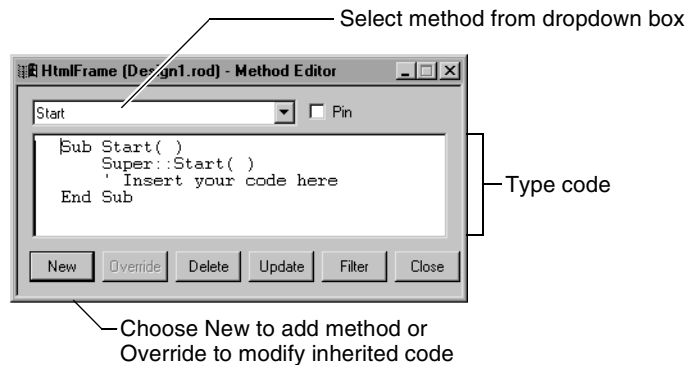
object

### Contrast with

overloaded method

## Method Editor

A tool in e.Report Designer Professional used to write code for Actuate Basic methods.



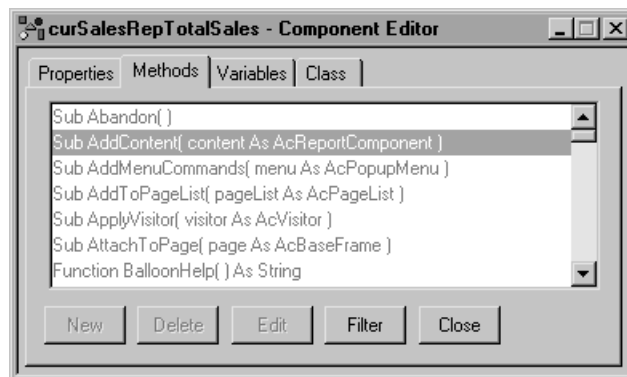
### Related terms

Actuate Basic

Actuate e.Report Designer Professional

## Methods page

A page in the Component Editor that displays all the methods for a component. From the Methods page, the user can access the Method Editor to override methods or create new methods.



**Related terms**

component  
Component Editor  
method  
Method Editor  
page

**Microsoft Internet Explorer**

A web browser that offers support for advanced web sites including those that use animation, forms, and flashing text.

**Related term**

web browser

**modal window**

A window that retains focus until explicitly closed by the user. Typically, dialog boxes and message windows are modal. For example, an error message dialog remains on the screen until the user responds.

**Contrast with**

modeless window

**modeless window**

A window that solicits input, but permits users to continue using the current application without responding to that modeless window.

**Contrast with**

modal window

**module**

A file that contains class, type, or variable declarations for an application. A module is a unit of code that serves as a building block for the structure of a system.

**Related terms**

class  
data type  
declaration  
semantic type  
variable

**multicolumn report**

A report that displays or prints data in several vertical flows.

**Related terms**

data  
e.report  
flow

**multiple document interface (MDI)**

See MDI (multiple document interface).

## **multiple inheritance**

A relationship among classes in which a subclass inherits from more than one superclass. Each subclass can have any number of superclasses.

### **Related terms**

class  
derived class  
inheritance  
single inheritance  
subclass  
superclass

## **multidimensional analysis**

A process that applies data filters simultaneously to multiple dimensions of a cube to examine relationships among those dimensions.

### **Related terms**

cube  
data filter  
dimension  
process

## **multidimensional data**

Any set of records that you can break down or filter according to the contents of individual fields or dimensions such as product, location, or time. This organization supports presentation and analysis of complex relationships.

### **Related terms**

data  
dimension

## **multithreaded application**

An application that handles multiple simultaneous users and sessions.

### **Related term**

application

## **name space**

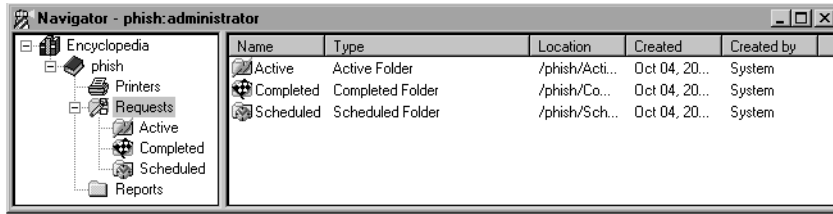
See global name space.

## **Navigation bar**

See table of contents.

## **Navigator**

A tool that provides access to the Actuate Report Encyclopedia available as part of the Actuate e.Reporting Suite. Use the Navigator to read completed reports, request reports, and schedule report requests. Access to items in the Report Encyclopedia depends upon user privileges.



### Related terms

Actuate e.Reporting Server  
e.report  
Report Encyclopedia

### nested function

An e.Spreadsheet function that is an argument for another e.Spreadsheet function.

### Related terms

Actuate e.Spreadsheet Designer  
argument  
function

### nested report

See subreport.

### Netscape Navigator

A web browser that offers support for advanced web sites including those that use animation, forms, and flashing text.

### Related term

web browser

- notification**
- 1 A message sent by e-mail or presented by the Navigator in the Completed folder advising that a requested report has been run and is available for viewing. The message is a transient object.
  - 2 A message from the e.Reporting Server software to the client software regarding the completion of a request, failure of a request, or an error that has occurred.

### Related terms

Actuate e.Reporting Server  
client/server  
Navigator  
object  
request

## **notification group**

A set of users who are informed of a completed request and available e.report.

### **Related terms**

e.report  
request

## **null**

A value that indicates a variable contains no data.

### **Related terms**

data  
value  
variable

## **numeric expression**

A numeric constant, a simple numeric variable, a scalar reference to a numeric array, a numeric-valued function reference, or a sequence of the above, separated by numeric operators and parentheses. For example, Val(Dates) + 1.

### **Related terms**

array  
constant  
function  
variable

## **object**

An instance of a particular class, including its characteristics, created during the process of running an e.report. For example, when a user runs a report, Actuate instantiates multiple persistent Customer Frame objects, one for each customer row retrieved from the database.

### **Related terms**

class  
e.report  
image  
instance  
persistent object  
text control  
transient object

## **object aging**

See auto-archive.

## **object database management system (ODBMS)**

A database management system built specifically to store and retrieve objects rather than simple data types.

### **Related terms**

data type  
database management system (DBMS)  
object

**object reference variable**

A variable that contains a reference to an object. References can be passed to functions and subroutines as parameters.

**Related terms**

function  
object  
parameter  
subroutine  
variable

**object-oriented programming**

A method for writing applications using classes, not algorithms, as the fundamental building blocks.

**Related terms**

class  
method  
object

**octal number**

A number in base 8. An octal number uses only the digits 0 through 7. Each place represents a power of 8. By comparison, base 10 numbers use the digits 0 through 9. Each place represents a power of 10.

**Related terms**

binary number  
hexadecimal number

**ODBC (open database connectivity)**

A standard protocol used by Actuate as one of the database management system (DBMS) interfaces to connect reports to databases that comply with this specification.

**Related terms**

connection  
database connection  
database management system (DBMS)

**ODBMS (object database management system)**

See object database management system (ODBMS).

**OLAP (Online Analytical Processing)**

See Online Analytical Processing (OLAP).

**OLE (object linking and embedding)**

A Windows technology used to provide a document-centered rather than a program-centered environment. OLE provides a framework within which users can prepare and maintain compound documents.



**Related term**  
OLE automation

**OLE automation**

A Windows technique that enables a client application to control an OLE server without direct input from the user. For use by the client, the OLE server must provide a defined interface to its functions.

**Related terms**  
client/server  
OLE (object linking and embedding)

**Online Analytical Processing (OLAP)**

The process of collecting, managing, presenting, and analyzing multidimensional data.

**Related terms**  
data  
process

- online help**
- 1 Information displayed on the computer screen to help the user understand an application.
  - 2 In an Actuate report, an explanation associated with an object. The user displays online help when viewing the e.report to find out more about a particular object in the report. For example, a calculated control might have associated online help that explains how the calculation was performed.

**Related terms**  
application  
calculated control  
e.report  
object

**open server driver**

An interface between an Actuate e.Reporting Server and an external application.

**Related terms**  
Actuate e.Reporting Server  
driver program

**open server technology**

A technology that enables Actuate e.Reporting Server to manage and run non-Actuate reports.

**Related term**  
Actuate e.Reporting Server

**operator** A symbol or keyword that performs an operation on expressions. See *Actuate Basic Language Reference* for more detailed information about the various types of operators.

## operations process

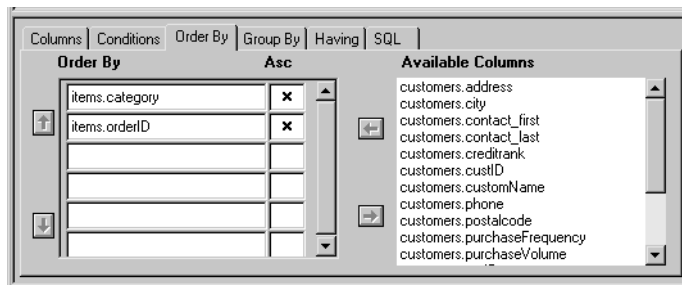
An e.Reporting Server process that executes a request to print or run an e.report.

### Related terms

Actuate e.Reporting Server  
e.report  
Factory process  
Print process  
request

## Order By page

A page in the Query Editor that displays the sort key. You can use the Order By page instead of or in addition to group sections to specify how data is sorted.



### Related terms

data  
group section  
page  
Query Editor  
sort key

## outer join

A type of join that returns records from one table even if there are no matching values in the other table. The two kinds of outer join are the left outer join and the right outer join. The left outer join returns all records from the table on the left in the join operation even if there are no matching values in the other table. The right outer join returns all records from the table on the right in the join operation. For example, if customers and orders tables are left outer joined on customer ID, the result set will contain all customer records including records for customers with no orders.

### Related term

join

### Contrast with

inner join

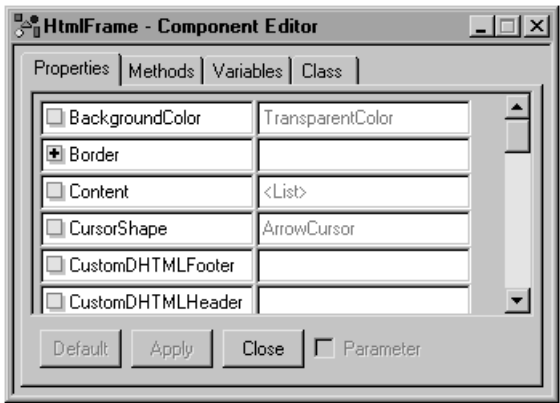
<b>outline</b>	<p>An e.Spreadsheet panel that indicates which rows and columns contain details and which contain summary data. An outline supports viewing only summary information.</p> <p><b>Related terms</b></p> <p>Actuate e.Spreadsheet Designer</p> <p>column</p> <p>row</p>
<b>output format</b>	<p>A format to which Actuate reports can be exported. Output formats include BrioQuery, comma-delimited text, CorVu, Microsoft Excel, PDF, and XML.</p> <p><b>Related term</b></p> <p>extensible markup language (XML)</p>
<b>output object</b>	<p>A value returned by a request.</p> <p><b>Related terms</b></p> <p>request</p> <p>value</p> <p><b>Contrast with</b></p> <p>input object</p>
<b>overlay graph</b>	<p>The part of a dual y-axis graph whose y-axis is on the right.</p> <p><b>Related term</b></p> <p>graph</p> <p><b>Contrast with</b></p> <p>base graph</p>
<b>overloaded method</b>	<p>A method in a single class in which different sets of arguments can be specified.</p> <p><b>Related terms</b></p> <p>argument</p> <p>class</p> <p>method</p>
<b>override</b>	<p>To write new code that replaces the default code of an inherited method.</p> <p><b>Related terms</b></p> <p>default</p> <p>inheritance</p> <p>method</p>

**page**

- 1 A component that specifies the visual design or layout of a page in the report. A page can contain controls, graphic components, flows, and frames. The relevant Actuate Foundation Class is AcPage.



- 2 An area in a window that groups and displays related information. A window can contain several pages, each of which is accessed by a tab.



Tabs to access pages in the Component Editor

- 3 A collection of HTML information that displays in a web browser.

**Related terms**

Actuate Foundation Class (AFC)  
component  
control  
flow  
frame  
hypertext markup language (HTML)  
layout  
web browser

**Page List**

- 1 A component that maintains a list of page layouts.



- 2 A slot in the structure pane where a page list component can be placed. The relevant Actuate Foundation Classes include AcCustomPageList, AcLeftRightPageList, AcSimplePageList, and AcTitleBodyPageList.



**Related terms**

Actuate Foundation Class (AFC)  
component  
layout  
page  
slot  
structure pane

**page security**

A technology that controls access to structured content available on the World Wide Web. Access privileges are based on user name or role. Page security is a capability of the Advanced e.Reporting Server only.

**Related terms**

access control list (ACL)  
Actuate Advanced e.Reporting Server  
role  
structured content  
World Wide Web (WWW or W3)

**palette**

A collection of components that represent specific classes. The Design Editor contains a main palette consisting of a series of buttons, one for each of the component palettes. The component palettes group classes by functionality: Structure, Data, Controls, Graphics, HTML, and Page Layout. Users can add additional palettes and modify existing palettes.

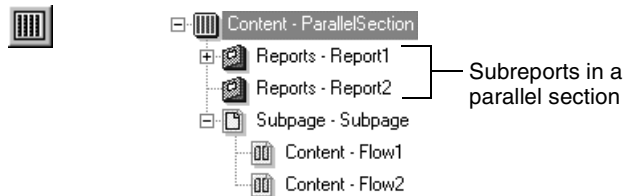
**Related terms**

Actuate Palette Representation (.apr) file  
class  
component  
Design Editor  
hypertext markup language (HTML)  
layout

**palette file** See Actuate Palette Representation (.apr) file.

**parallel section**

A component that contains two or more subreports displayed or printed on the same page. For example, the left side of the page contains a report that displays or prints employee addresses, and the right side of the page contains a report that displays or prints employee salary histories. The relevant Actuate Foundation Class is AcParallelSection.



### Related terms

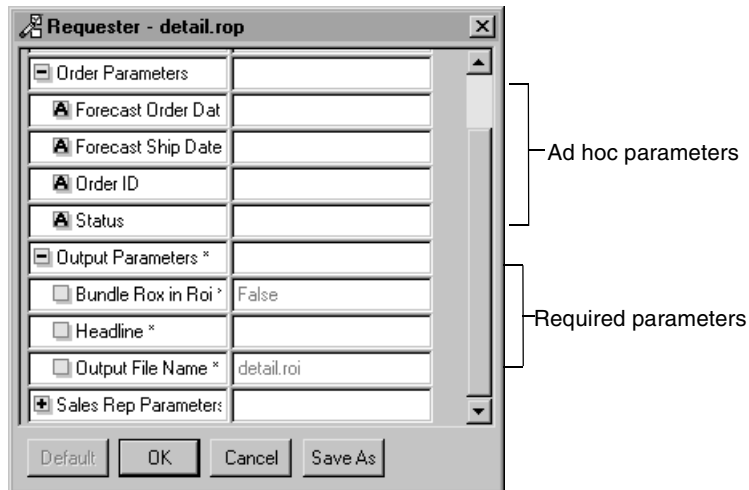
Actuate Foundation Class (AFC)  
component  
e.report  
page  
section  
subreport

### Contrast with

conditional section  
group section  
report section  
sequential section

## parameter

- 1 The data passed between functions, programs, or subroutines.
- 2 In an Actuate e.report or e.Spreadsheet report, a variable containing a value. Parameters provide an opportunity for the user to type a value as input to the execution of a report. Parameters provide control over report data selection, processing, and formatting.



### Related terms

Actuate e.Spreadsheets Designer  
ad hoc parameter  
e.report  
function  
input object  
program  
subroutine  
value  
variable

**parent class**

See superclass.

**password**

An optional code that restricts user name access to the Report Encyclopedia. Passwords can be up to 256 characters in length and can contain any ASCII characters except control characters or spaces. Passwords are case-sensitive. Passwords can use a mixture of case, alphabetical, and numerical characters to increase security.

**Related terms**

Report Encyclopedia  
user name

**paste**

A technique that moves material temporarily located on the Clipboard into a document.

**Related term**

Clipboard

**pattern matching**

See search expression.

**persistent object**

An object created by a client or server process and permanently stored in a file. Most objects, including data controls, graphical elements, pages, and sections, are persistent. A report object instance (.roi) file contains only persistent objects.

**Related terms**

data control  
object  
page  
Persistent Object process  
report object instance (.roi) file  
section

**Contrast with**

transient object

**Persistent Object process**

An Actuate e.Reporting Server process that manages an object that exists until the report file is deleted. The server processes are Administration, Factory, Persistent Object, Print, Request, and View.

**Related terms**

Actuate e.Reporting Server  
persistent object  
server processes

## **Persistent Object Storage Manager (POSM)**

A mechanism used for reading and writing a stored object that exists until the report file is deleted.

### **Related terms**

object

report object instance (.roi) file

## **personal channel**

A ReportCast channel page that displays the user's completed requests folder.

### **Related terms**

Actuate ReportCast technology

channel page

Requests folder

## **personal folder**

A user's working environment in the Report Encyclopedia.

### **Related term**

Report Encyclopedia

## **plug-in**

A software program that extends the capabilities of an internet browser. For example, a plug-in gives you the ability to play audio samples or video movies.

### **Related terms**

browser

internet

## **polymorphism**

The ability to hide different implementations behind a common interface, simplifying the communication among objects. For example, defining a unique print method for each kind of document in a system supports printing of any document by sending the message print, without concern for how that method was actually carried out for a given document.

## **pop-up menu**

See context menu.

## **preference**

An option that specifies an action. For example, a user preference can specify e-mail notification and priority level.

### **Related term**

notification

## **Print process**

An Actuate e.Reporting Server process that executes a request for a printed copy of an e.report. The server processes are Administration, Factory, Persistent Object, Print, Request, and View.



**Related terms**

Actuate e.Reporting Server  
e.report  
request  
server processes

**printer attributes**

A list of properties that describes the fixed characteristics of a printer. These properties can limit report design features.

**Related terms**

design  
e.report  
property

**Contrast with**

printer options

**printer options**

A list of properties that describe printer characteristics that can be controlled or modified by the report design. For example, the report design can specify the page size. In this case, the report design options are limited by the available page size which is a printer attribute.

**Related terms**

design  
e.report  
property

**Contrast with**

printer attributes

**privilege**

A level of control over an item in the Report Encyclopedia. Privileges are granted to users either directly or through roles. The privileges include the ability to delete, execute, grant, read, secure read, visible, and write. The user who develops a particular item and places it in the Report Encyclopedia and the administrator both have all privileges for that item.

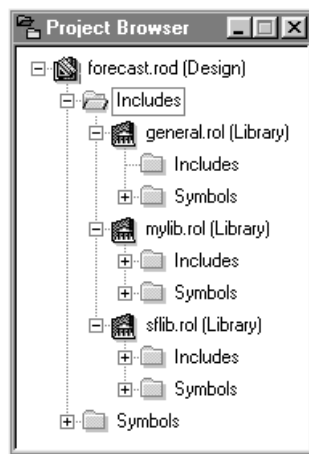
**Related terms**

delete privilege  
execute privilege  
grant privilege  
read privilege  
Report Encyclopedia  
role  
secure read privilege  
visible privilege  
write privilege

- procedure** A set of commands, statements, input data, and comments that cause a specific set of operations to be performed.  
**Related terms**  
command  
comment  
data  
object  
operations process  
statement
- process** A computer program that has no user interface. For example, the Actuate Factory process that runs an Actuate report.  
**Related terms**  
Factory  
Factory process  
program
- program** **1** To write instructions in a language that can be understood by a computer.  
**2** A set of instructions written in a language such as Actuate Basic.  
**Related term**  
Actuate Basic

## Project Browser

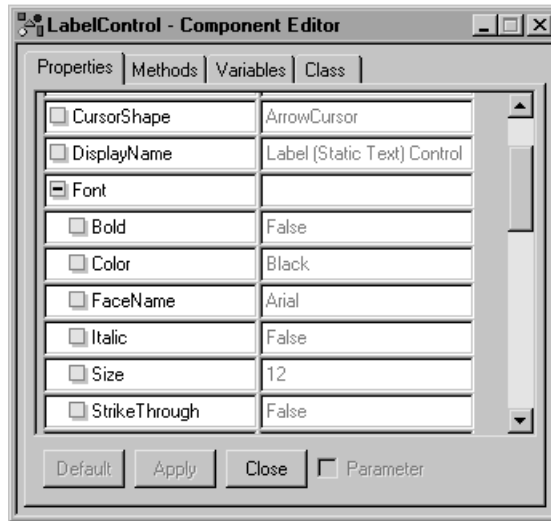
A tool that lists the files included in a report design.



**Related terms**  
browser  
report object design

## Properties page

A page in the Component Editor that lists the properties of a component, such as font size. Use the Properties page to specify values for properties.



### Related terms

component  
Component Editor

page  
property

### Contrast with

Class page  
Methods page  
Variables page

## property

A characteristic of an object for which the user can specify a value. Use the Properties page in the Component Editor or use code to specify values for properties. A property controls the appearance and behavior of an object, such as the font size for a label control or the server name for a database connection.

### Related terms

Component Editor  
component reference property  
object  
Properties page  
value

**Contrast with**  
method

## property list

See Properties page.

**publish** A command that places a component in the library for reuse. Publish creates a reference from the library back to the original design.

**Related terms**

component  
library

**publish and subscribe**

A method of communication between applications by which one application subscribes to another. The second application publishes to the first application. The publish operation occurs without a request from the first application.

**Related terms**

application  
publish  
subscribe

**push** A distribution mechanism that delivers information on preselected topics or categories to a World Wide Web user. Notifications about newly generated e.reports are automatically pushed to specific channels using Actuate's ReportCast technology

**Related terms**

Actuate ReportCast technology  
channel  
e.report  
World Wide Web (WWW or W3)

**query** A SQL SELECT statement that specifies which rows to retrieve from the database.

**Related terms**

row  
SQL SELECT statement

**Query by Example (QBE)**

A syntax for writing expressions that specify data to be retrieved from the database. For example, a QBE expression can be used in the Conditions page of the Query Editor. Actuate modifies a query by writing SQL code based on the QBE expression.

**Related terms**

data  
expression  
Query Editor

**query data stream**

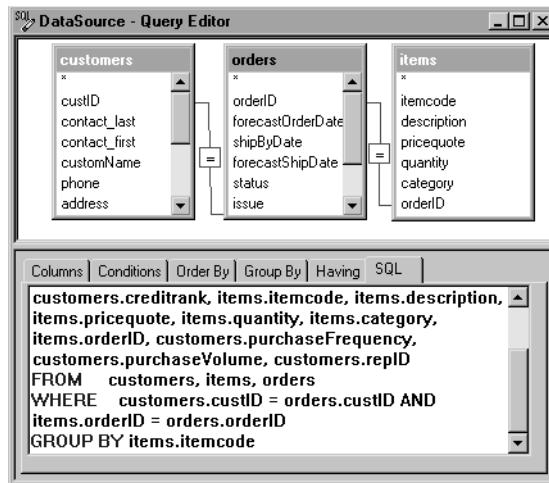
A data stream that obtains data from a relational database using a SQL query.

### Related terms

data  
data stream  
query

## Query Editor

A tool in e.Report Designer and e.Report Designer Professional used to write a SQL SELECT statement. The upper pane in the Query Editor lists tables included in the e.report. The upper pane also shows the joins between those tables. Use the upper pane to select tables and specify the joins between the tables.



### Related terms

join  
page  
SQL SELECT statement  
table

## query parameter

See parameter.

## query synchronization

The ability to update the database schema connected to the report design.

### Related term

report object design

## range

- 1 The distance between the start and end value of the x-axis in a time series graph. The range is specified by the Range and RangeUnit properties.
- 2 Two or more cells on an e.Spreadsheet worksheet. Ranges frequently use a string of characters to identify the location referenced. For example, A1:C3.

**Related terms**

Actuate e.Spreadsheet Designer  
graph  
tick interval  
time series graph  
value

**read privilege**

A privilege that provides the option to open, work with, and print an item in the Report Encyclopedia. Other privileges include delete, execute, grant, secure read, visible, and write.

**Related terms**

delete privilege  
execute privilege  
grant privilege  
privilege  
Report Encyclopedia  
secure read privilege  
visible privilege  
write privilege

**rectangle control**

A component used to add box shapes to a report design. The relevant Actuate Foundation Class is AcRectangleControl.

**Related terms**

Actuate Foundation Class (AFC)  
component  
report object design

**recursion**

A process in which a function or subroutine directly or indirectly calls itself to accomplish some task. The recursive function or subroutine continues until it is interrupted or until a specified condition is met.

**Related terms**

function  
program  
subroutine

**reference**

A pointer to an existing class in a report object design or a component library. A referenced class cannot be modified.

**Related terms**

class  
component  
library  
report object design

**Contrast with**  
subclass

**relative cell reference**

A cell reference that points to a cell position relative to the current cell in an e.Spreadsheet worksheet.

**Related terms**

absolute cell reference  
cell  
cell reference  
external cell reference

**report** See e.report

**report, nested**

See subreport.

**report bursting**

A report design technique used to break a large report into several small reports. Using this technique, the single report object executable (.rox) file generates multiple report object instance (.roi) files.

**Related terms**

Report Object  
report object design  
report object executable (.rox) file  
report object instance (.roi) file

**ReportCast** See Actuate ReportCast or Actuate ReportCast technology.

**ReportCast directive**

A request that triggers the use of a particular template. Directives include requests to run an e.report, view a report, or subscribe to a ReportCast channel. For example:

`http://<webserver>/acweb/<reportserver>/<folder>/?sort=name`

displays the contents of the specified folder sorted by owner name.

**Related terms**

Actuate ReportCast technology  
channel  
e.report  
request  
template  
Uniform Resource Locator (URL)

## **ReportCast template file**

A file used by Actuate ReportCast to control the appearance of generated web pages. A set of default template files installs with Actuate ReportCast. Users can also create their own templates. Actuate ReportCast locates HTML template files by looking up the values of predefined variables in the operating system environment. Actuate template files have the extension ACHTML.

### **Related terms**

Actuate ReportCast  
hypertext markup language (HTML)  
template

## **Report Encyclopedia**

A shared repository for all information related to the reporting environment. The Report Encyclopedia contains an administrative directory, a requests and scheduling directory, and a report items directory. The administrative directory includes users, roles, and privileges. The report items directory includes designs, executables, instances, parameters, files, and libraries.

### **Related term**

Actuate e.Reporting Server

## **Report Object**

- 1 A structured document called an e.report that is composed of persistent objects that are active and intelligent.
- 2 A component that contains all other components in an e.report. The report object is the root of the report structure. The relevant Actuate Foundation Class is AcReport.

### **Related terms**

Actuate Foundation Class (AFC)  
component  
e.report  
object  
persistent object

## **report object design**

A specification that describes how to produce a report object instance.

### **Related terms**

report object design (.rod) file  
report object design (.jod) file Java Edition

## **report object design (.rod) file**

A file that contains a report design. A design file is created when the user saves a report design.



**Related terms**

Actuate Palette Representation (.apr) file  
Basic source (.bas) file  
e.Spreadsheet template (.vts) file  
e.Spreadsheet template package (.vtf) file  
report object executable (.rox) file  
report object instance (.roi) file  
report object library (.rol) file  
report object value (.rov) file  
report object web (.row) file  
search definition (.ros) file

**report object design (.jod) file Java Edition**

A file that contains a report design for e.Report Designer Java Edition. A design file is created when the user saves a report design.

**Related term**

report object design

**report object executable**

The instructions for generating and viewing a report object.

**Related terms**

Report Object  
report object executable (.rox) file

**report object executable (.rox) file**

A file that contains the instructions for generating and viewing a report object. An executable file is the compiled executable form of an e.report created when the user compiles the Actuate Basic code (.bas file) for the report.

**Related terms**

Actuate Basic  
Actuate Palette Representation (.apr) file  
Basic source (.bas) file  
e.report  
e.Spreadsheet template (.vts) file  
e.Spreadsheet template package (.vtf) file  
report object design (.rod) file  
report object instance (.roi) file  
report object library (.rol) file  
report object value (.rov) file  
report object web (.row) file  
search definition (.ros) file

**report object instance**

A set of persistent objects that represents a particular report.

**Related terms**

persistent object  
report object instance (.roi) file

**report object instance (.roi) file**

A file that contains the viewable report.

**Related terms**

Actuate Palette Representation (.apr) file  
Basic source (.bas) file  
e.report  
e.Spreadsheet template (.vts) file  
e.Spreadsheet template package (.vtf) file  
Report Object  
report object design (.rod) file  
report object executable (.rox) file  
report object library (.rol) file  
report object value (.rov) file  
report object web (.row) file  
search definition (.ros) file

**report object library**

A collection of published components.

**Related terms**

component  
publish  
report object library (.rol) file

**report object library (.rol) file**

A file that contains published components. A library file is created using the New dialog box in e.Report Designer Professional.

**Related terms**

Actuate Palette Representation (.apr) file  
Basic source (.bas) file  
component  
e.report  
e.Spreadsheet template (.vts) file  
e.Spreadsheet template package (.vtf) file  
library  
report object design (.rod) file  
report object executable (.rox) file  
report object instance (.roi) file  
report object value (.rov) file  
report object web (.row) file  
search definition (.ros) file

## **report object parameter (.rop) file**

A file that contains a list of report parameters used by an open server report.

### **Related term**

open server technology

## **report object value (.rov) file**

A file that contains parameter values that the Factory uses to generate the e.report. A parameter values file is automatically created when users run the report. The Requester API can also be used to create a parameter values file.

### **Related terms**

Actuate Palette Representation (.apr) file

Basic source (.bas) file

e.report

e.Spreadsheet template (.vts) file

e.Spreadsheet template package (.vtf) file

Factory

parameter

report object design (.rod) file

report object executable (.rox) file

report object instance (.roi) file

report object library (.rol) file

report object web (.row) file

Requester

Requester API

search definition (.ros) file

## **report object web (.row) file**

A structured storage file that contains bitmap, graphics, HTML information, and other information needed for an e.report. Report object web files are created by the e.Reporting Server and can be used only in the Report Encyclopedia.

### **Related terms**

Actuate Palette Representation (.apr) file

Actuate e.Reporting Server

Basic source (.bas) file

e.report

e.Spreadsheet template (.vts) file

e.Spreadsheet template package (.vtf) file

hypertext markup language (HTML)

Report Encyclopedia

report object design (.rod) file

report object executable (.rox) file

report object instance (.roi) file

report object library (.rol) file

search definition (.ros) file

## report output

See output format.

## ReportQuery

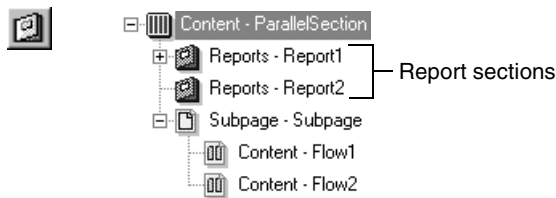
See search definition (.ros) file and search extension.

## ReportQuery extension

See search extension.

## report section

A section that contains components that retrieve, organize, and display information. The relevant Actuate Foundation Class is AcReportSection.



### Related terms

Actuate Foundation Class (AFC)

component

section

### Contrast with

conditional section

group section

parallel section

sequential section

## report server

See Actuate e.Reporting Server.

## reportserver API

See Actuate Software Development Kit (SDK).

## Report Server Security Extension (RSSE)

An Advanced e.Reporting Server capability that adds security IDs to a Report Encyclopedia user's access control list (ACL). The Report Server Security Extension is only used with reports that contain page security.

### Related terms

access control list (ACL)

Actuate Advanced e.Reporting Server

page security

Report Encyclopedia

security ID

**request**

An instruction to generate an e.report. The status of a request can be active, scheduled, or completed. A request requires sending an HTTP URL from the web browser. These requests typically have a format such as:

`http://<webserver>/acweb/<reportserver>/path?command`

A request for all reports for a particular individual would be:

`http://<webserver>/acweb/<reportserver>/<folder>/?name`

**Related terms**

e.report

HyperText Transfer Protocol (HTTP)

url request

web browser

**Request process**

An Actuate e.Reporting Server process that receives, prioritizes, and acts upon incoming requests from clients. The server processes are Administration, Factory, Persistent Object, Print, Request, and View.

**Related terms**

Actuate e.Reporting Server

request

server processes

**Requester**

A mechanism in the client software used to provide or modify input parameters. The Factory uses those parameters while generating e.reports. If the client is connected to a report server, additional functions are available. The Requester is then a tabbed dialog that includes parameters, values, schedule, distribution, notification, and print tabs.

**Related terms**

e.report

Factory

notification

parameter

value

**Requester API**

See Actuate Software Development Kit (SDK).

**request retry**

A report server option that automatically resubmits a failed request.

**Related term**

request

## Requests folder

A folder that includes active, scheduled, and completed requests for reports. In the completed requests folder, you can see your own requests and any other completed requests for which you are on the notification list. If you access a Report Encyclopedia over the World Wide Web the completed Requests folder appears as your personal channel in a web browser.

### Related terms

channel  
notification  
request  
Report Encyclopedia  
World Wide Web (WWW or W3)

## reserved word

See keyword.

## result set

Data returned by a SQL query. A stored procedure can return one or more result sets. The automated features for stored procedures use the first returned result set.

### Related terms

data  
stored procedure

## role

A name for a group of privilege levels. Privileges are granted by an administrator who assigns roles.

### Related terms

administrator  
privilege

## role owner

A user who has full administration privileges for a role.

### Related terms

administrator  
role

## row

A record in a table.

### Related term

table

## run

**1** To execute a program, utility, or other machine function.

**2** In Actuate, to request current data in a new instance of an e.report. A report executable (.rox) is run to generate a new report.

### Related terms

data  
e.report  
program  
report object executable (.rox) file  
report object instance (.roi) file

## **scheduled request**

A request designated for execution at a specified time. Scheduled requests are items in the Requests folder.

### **Related terms**

request  
Requests folder  
server application

## **scope**

The parts of a program in which a symbol or object exists or is visible. The scope of a program element is determined by where the element is declared. The global scope in an Actuate Basic program holds all global variable, function, and class names. Scopes can be nested. For example, a function introduces a new scope for its parameters and local variables. As another example, a class introduces a scope for its member variables, member functions, and nested classes. Code in a method in one scope has visibility to other symbols in that same scope, and, with certain exceptions, to symbols in outer scopes.

### **Related terms**

Actuate Basic  
class  
function  
object  
program  
scope-resolution operator (::)  
variable

## **scope-resolution operator (::)**

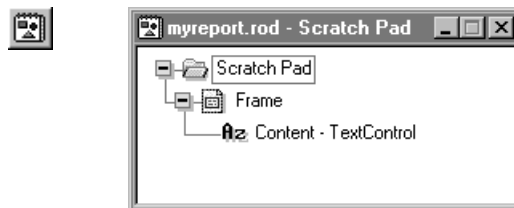
This operator refers to symbols in a different scope. A leading :: refers to the global scope. For example, AcReportElement::BuildFromRow means find BuildFromRow inside the scope introduced by AcReportElement.

### **Related terms**

operator  
scope

## **Scratch Pad**

A tool in e.Report Designer Professional that stores components temporarily. The Scratch Pad is useful for restructuring a report design.



**Related terms**

component  
report object design

**scripting language**

See Actuate Scripting Language.

**SDK (Software Development Kit)**

See Actuate Software Development Kit (SDK).

**search**

A mechanism that uses search criteria to find data in an e.report.

**Related terms**

data  
e.report  
search criteria

**search criteria**

A combination of objects to be used for searching and search expressions.

**Related terms**

object  
search  
search expression

**search definition (.ros) file**

A file that contains search criteria, data to display, extract options, and report document structure information.

**Related terms**

Actuate Palette Representation (.apr) file  
Basic source (.bas) file  
data  
e.report  
e.Spreadsheet template (.vts) file  
e.Spreadsheet template package (.vtf) file  
report object design (.rod) file  
report object executable (.rox) file  
report object instance (.roi) file  
report object library (.rol) file  
report object value (.rov) file  
report object web (.row) file  
search criteria

**search expression**

The use of special characters to match patterns in the value fields in the search dialog box. The special characters used in search expressions are the backslash (\), the question mark (?), the pound sign (#), the asterisk (\*), and the brackets



[ ]). Some nonprinting ASCII codes are represented by character pairs that begin with the backslash (\a, \b, \t, \n, \f, and \r). The special characters and examples of their use include the following.

Special characters	Definition
\	Escape next character (one- or two-byte character)
?	Match any one character (one- or two-byte character)
#	Match any ASCII numeric character [0-9]
*	Match zero or any number of character(s)
\a	Match one alarm (0x07)
\b	Match one backspace (0x08)
\t	Match one tab (0x09)
\n	Match one new line (0x0a)
\f	Match one form feed (0x0c)
\r	Match one carriage return (0x0d)
\\	Match one backslash (\)
[ ]	Match zero characters (ignored)
[characterlist]	Match any one character inside the brackets
[a-z0-9]	Match any lowercase or ASCII numeric character
[a-z-]	Match any lowercase character or hyphen (-)
[^a-z0-9]	Match any character other than lowercase or ASCII numeric
[^]	Match one caret (^)
[?] or "\?"	Match one question mark (?)
[#] or "\#"	Match one pound sign (#)
[*] or "\*"	Match one asterisk (*)
[[] or "\["	Match one open bracket ([)
[]] or "\]"	Match one closed bracket (])
["\[\"-\"\\"]	Match any ASCII character code between [ and ]
["\1"-"\"377"]	Match any octal character excluding NUL (0x00)
["\x100"-"\"xffff"]	Match any hexadecimal character

**Related term**  
wildcard

## **search extension**

A dynamic-link library that provides an interface between Actuate client applications and third party applications such as Microsoft Excel and BrioQuery.

### **Related term**

dynamic-link library (DLL)

## **search extension API**

See Actuate Software Development Kit (SDK).

## **search indexing**

A technique used to identify frequently searched fields to support faster searching of selected data appropriate to a user's privileges.

### **Related terms**

data

privilege

search

## **section**

- 1** A component that determines the logical structure of information in an e.report. Sections process data rows to determine which visual components should generate output. e.Report Designer and e.Report Designer Professional provide five types of sections. These are conditional, group, parallel, report, and sequential sections.
- 2** A logical unit in a report created using e.Report Designer Java Edition. These reports can contain several sections. Each section has a query associated with it. Each query is independently executed to extract data from the data source.

### **Related terms**

component

conditional section

data source

e.report

group section

parallel section

query

report section

sequential section

## **secure read privilege**

A privilege that provides the option to open, work with, print, but not download an item in the Report Encyclopedia on the e.Reporting Server. The Advanced e.Reporting Server secure read privilege enables page security on a report object instance file. Other privileges include delete, execute, grant, read, visible, and write.

**Related terms**

Actuate Advanced e.Reporting Server  
Actuate e.Reporting Server  
delete privilege  
execute privilege  
grant privilege  
privilege  
Report Encyclopedia  
report object instance (.roi) file  
read privilege  
visible privilege  
write privilege

**security ID**

An identifier such as a user name, an assigned name, or a role that is specified in a particular e.report by the report designer.

**Related terms**

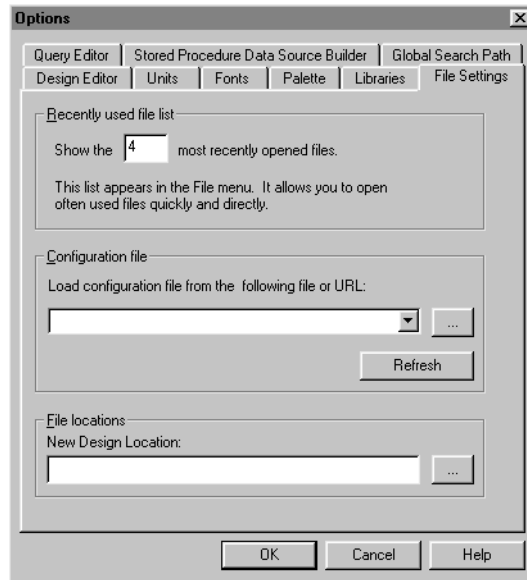
access control list (ACL)  
e.report  
role  
user name

**select**

- 1 To choose one or more items. The selected items are then affected by a user-driven operation.



- 2 To choose an option button, check box, or list item in a dialog box.



**SELECT** See SQL SELECT statement.

## **semantic type**

Information that can be used to determine what an element contains. For example, a semantic type is AC\_SEMANTIC\_TYPE\_OBJECT\_ID. A comparable data type is AcProperty::STRING.

**Contrast with**  
data type

## **sequential section**

A section that contains several frames, subreports, or other sections that display or print in a specified order.

**Related terms**

frame

section

subreport

**Contrast with**

conditional section

group section

parallel section

report section

## **server application**

An application that furnishes data in response to a request from a client application. A server is often located on a computer other than the client.

**Related terms**

Actuate e.Reporting Server  
client/server

**server processes**

A set of cooperating processes that constitute an Actuate e.Reporting Server. The server processes are Administration, Factory, Persistent Object, Print, Request, and View.

**Related terms**

Actuate e.Reporting Server  
Administration process  
Factory process  
Persistent Object process  
Print process  
Request process  
View process

**SGML (standard generalized markup language)**

See standard generalized markup language (SGML).

**Single data type**

An Actuate Basic data type that stores single-precision floating-point numbers, ranging in value from -1.797693134862315E308 to -4.94066E-324 for negative values and from 4.94066E-324 to 1.797693134862315E308 for positive values.

**Related terms**

Actuate Basic  
data type

**single inheritance**

A relationship between classes in which a subclass inherits from only one superclass.

**Related terms**

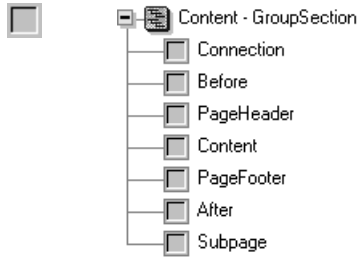
class  
inheritance

**Contrast with**

multiple inheritance

**slot**

A visual target in the Design Editor that represents a component reference property. A slot indicates where a component can be placed.



### **Related terms**

component  
 component reference property  
 Design Editor  
 property  
**Contrast with**  
 Component Editor

## **SmartSearch**

See search.

## **sort**

To specify the order of data. For example, customer names can be sorted in alphabetical order.

### **Related term**

data

## **sort filter**

A kind of filter that sorts data rows for another data adapter.

### **Related terms**

data adapter  
 data filter  
 data row

## **sort key**

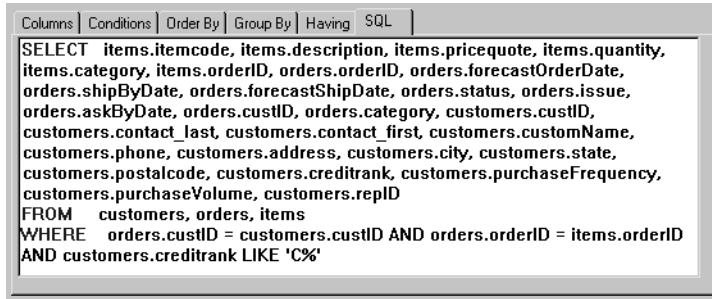
A list of one or more column names. The order of the column names in the sort key specifies the sort order. For example, a sort by State and Date is different from a sort by Date and State.

### **Related terms**

column  
 sort

## **SQL page**

A page in the Query Editor that displays the SQL SELECT statement. Use the SQL page to view the SQL SELECT statement.



```
Columns | Conditions | Order By | Group By | Having | SQL
SELECT items.itemcode, items.description, items.pricequote, items.quantity,
items.category, items.orderID, orders.orderID, orders.forecastOrderDate,
orders.shipByDate, orders.forecastShipDate, orders.status, orders.issue,
orders.askByDate, orders.custID, orders.category, customers.custID,
customers.contact_last, customers.contact_first, customers.customName,
customers.phone, customers.address, customers.city, customers.state,
customers.postalcode, customers.creditrank, customers.purchaseFrequency,
customers.purchaseVolume, customers.replID
FROM customers, orders, items
WHERE orders.custID = customers.custID AND orders.orderID = items.orderID
AND customers.creditrank LIKE 'C%'
```

**Related terms**

page  
Query Editor  
SQL SELECT statement

**SQL SELECT statement**

One statement in SQL (Structured Query Language), a language commonly used for database applications. A SQL SELECT statement provides instructions about which data to query for an e.report.

**Related terms**

e.report  
query  
Query Editor

**standard generalized markup language (SGML)**

A generic markup language that represents documents. SGML is an international standard that describes the relationship between document content and structure.

**Related term**

structured content

**Contrast with**

extensible markup language (XML)

**statement**

- 1 A syntactically complete unit in a programming language that expresses one action, declaration, or definition. Normally, there is only one statement on each line. To continue a statement on another line, Actuate Basic uses a plus sign (+) as the first character of the next line.
- 2 An object that provides a way to execute SQL statements. The relevant Actuate Foundation Class is AcDBStatement.

**Related terms**

Actuate Basic  
declaration  
object

## static control

A component that does not display data from the database. For example, labels, lines, and images are static controls. The relevant Actuate Foundation Classes are AcEllipseControl, AcLabelControl, AcImageControl, AcLineControl, and AcRectangleControl.



### Related terms

Actuate Foundation Class (AFC)  
component

### Contrast with

data control  
static frame

## static frame

A frame that contains only components that do not require data from the database. For example, a title that contains only a label and a graphic image is a static frame.

### Related term

frame

### Contrast with

data frame  
static control

## static variable

**1** A variable that contains a single value for all objects instantiated from a particular class.

**2** A variable that retains its value as long as the program is running.

### Related terms

class  
object  
program  
variable

### Contrast with

instance variable  
global variable

## stored procedure

A named set of one or more SQL queries that is stored in a database and can be called from an application.

### Related terms

application  
query

## Stored Procedure Data Source Builder

A tool that builds a data source using a stored procedure from a database.



**Related terms**

stored procedure  
Stored Procedure Browser

**Stored Procedure Browser**

A window that lists the names of available stored procedures. The Stored Procedure Browser is accessed from the Stored Procedure Data Source Builder.

**Related terms**

browser  
stored procedure  
Stored Procedure Data Source Builder

**String data type**

An Actuate Basic data type comprising a sequence of contiguous characters including letters, numerals, spaces, and punctuation marks. Variable-length strings can contain up to approximately 2,147,283,647 characters or up to your computer's memory limit.

**Related terms**

Actuate Basic  
data type  
string expression

**string expression**

An Actuate Basic expression that evaluates to a series of contiguous characters. Elements of the expression may include a function that returns a string, a string constant, a string literal, a string operator, or a string variable.

**Related terms**

expression  
function  
String data type  
variable

**structural component**

A component that appears in the structure pane of the Design Editor but does not appear in the layout pane or in the final report. Structural components control how the report is organized.

**Related terms**

component  
Design Editor  
e.report  
layout pane  
structure pane

**Contrast with**

visual component

## structural relationship

A relationship in which one component references another component. The structure pane of the Design Editor displays structural relationships.

### Related terms

component

Design Editor

structure pane

## structured content

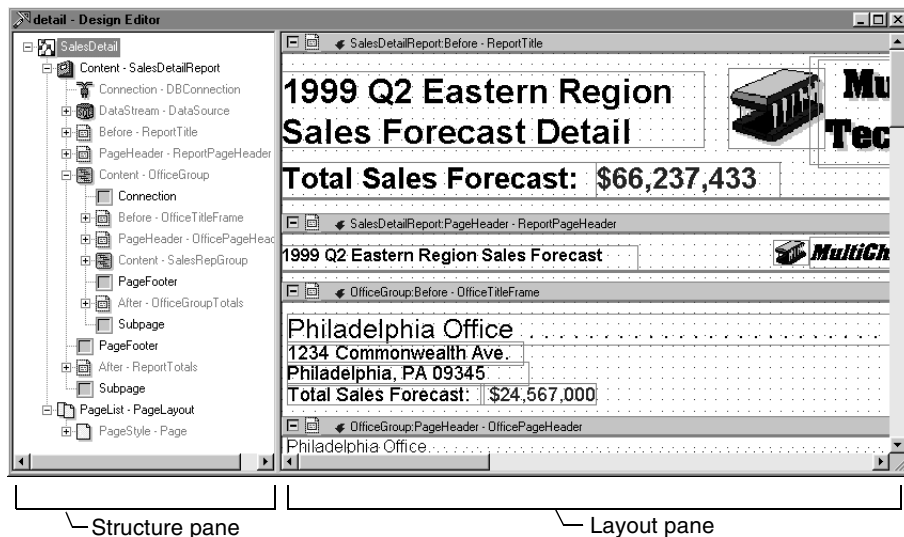
A formatted document that displays information from multiple data sources.

### Related term

e.report

## structure pane

A portion of the Design Editor window that displays an outline of the report components showing their relationships to one another. The other portion of the Design Editor window is the layout pane. The structure pane can be used both to review and redesign the report.



### Related terms

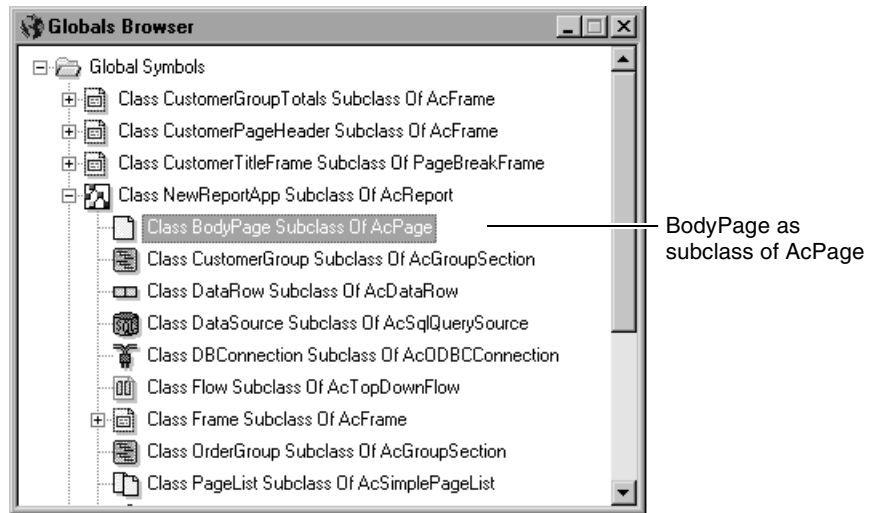
Design Editor

e.report

layout pane

## subclass

A class that is derived from and is a linked copy of another class. When you change the original class, the unmodified properties of the subclass change. A change to the subclass does not affect the original class. The subclass is the immediate descendant class.



### Related terms

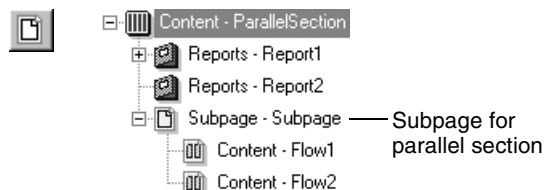
class  
 descendant class  
 subclass

### Contrast with

ancestor class  
 base class  
 derived class  
 reference  
 superclass

## subpage

A component that specifies the visual design of a page associated with a section. The relevant Actuate Foundation Class is AcSubPage.



### Related terms

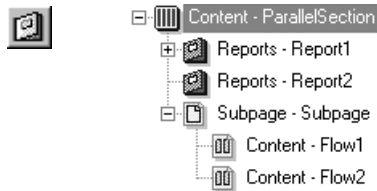
Actuate Foundation Class (AFC)  
 component  
 section

### Contrast with

page

**subreport**

A report section placed inside another section. For example, a parallel section contains several subreports. A report section placed inside another report section is sometimes called a nested report. The relevant Actuate Foundation Class is AcReportSection.

**Related terms**

Actuate Foundation Class (AFC)  
component  
e.report  
parallel section  
report section  
section

**subroutine**

A sequence of instructions that has been defined as a separate unit within a program, allowing the unit to be invoked anywhere in the program simply by including its name as one of the instructions. Subroutines are similar to functions, except they return no data.

**Related terms**

data  
program

**Contrast with**

function

**subscribe**

A process that allows users to receive notification that a particular report or class of reports is available for viewing. To receive notifications of reports that are viewable in a web browser, a user subscribes to a channel.

**Related terms**

Actuate ReportCast technology  
channel  
e.report  
publish and subscribe  
web browser

**Contrast with**

unsubscribe

**Super**

A keyword that accesses a method in another class. Super searches progressively until it finds the method.

**Related terms**

class  
keyword

method

**superclass** The immediate ancestor class.

**Related terms**

ancestor class

class

**Contrast with**

descendant class

subclass

**Swing component architecture**

A platform independent extension to the Abstract Window Toolkit (AWT).

**Related term**

Abstract Window Toolkit (AWT)

**symbol** A unique name that represents an entity in a program. For example, a symbol can be the name of a class or variable.

**Related terms**

class

program

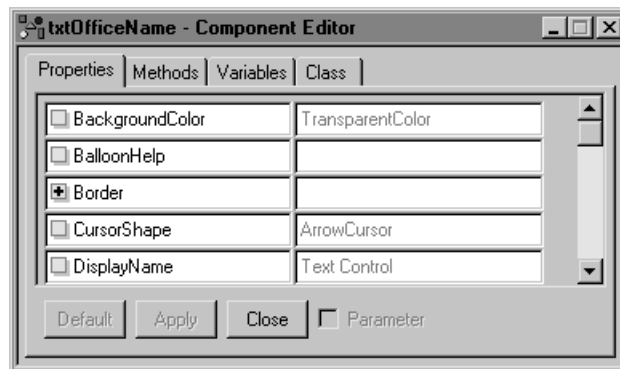
variable

**symmetric multiprocessor (SMP)**

A multiprocessing architecture in which multiple CPUs, residing in one cabinet, share the same memory. SMP systems provide scalability.

**syntax** The rules that govern the structure of a language.

**tab** The label above a page in a dialog box that contains multiple pages.

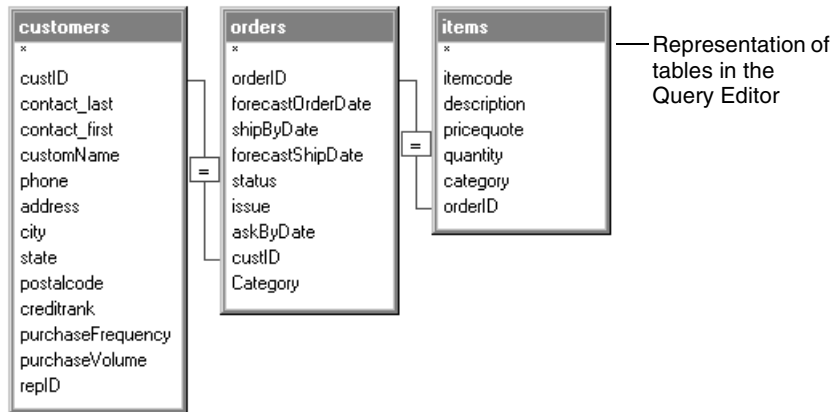


— Tabs to access pages in the Component Editor

**Related term**

page

**table** A named group of related data in rows and columns in a relational database.



### Related terms

column  
data  
row

## table of contents

A hyperlinked outline of e.report contents.

### Related terms

e.report  
hyperlink

## Tag

- 1 A property that contains a number or name that identifies a flow. The user assigns the same identifier to a flow and to a report section so that the report section prints or displays in the specified flow.
- 2 A code that identifies a part of a document so that a web browser can tell how to display it.

### Related terms

flow  
property  
report section  
web browser

## template

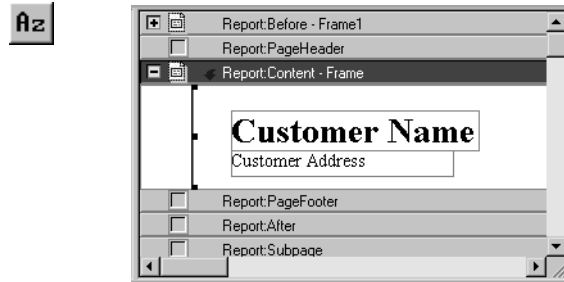
- 1 In e.Report Designer and e.Report Designer Professional, a file that determines how generated HTML pages display in a web browser. Template files can contain HTML tags and scripting language commands which determine the format of the text, the text that should be displayed, and variables that form part of your request.
- 2 In e.Report Designer Java Edition, a sample report design.

**Related terms**

e.report  
hypertext markup language (HTML)  
page  
web browser

**text control**

A component that displays textual data in an e.report. For example, a text control displays customer names. A text control must be in a frame, page, or flow. The relevant Actuate Foundation Class is AcTextControl.

**Related terms**

Actuate Foundation Class (AFC)  
component  
control  
data  
e.report  
page

**Contrast with**

data control  
label control

**tick**

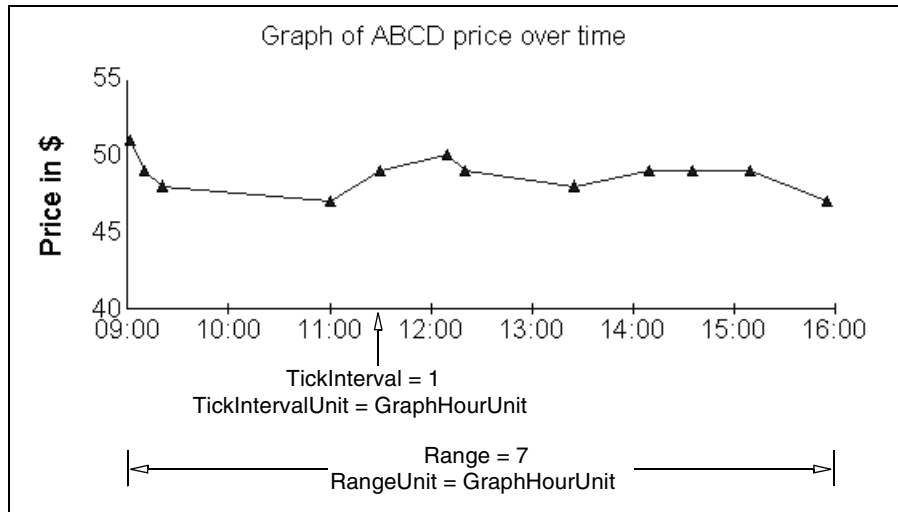
A mark that occurs at regular intervals along the x- or y-axis of a graph.

**Related terms**

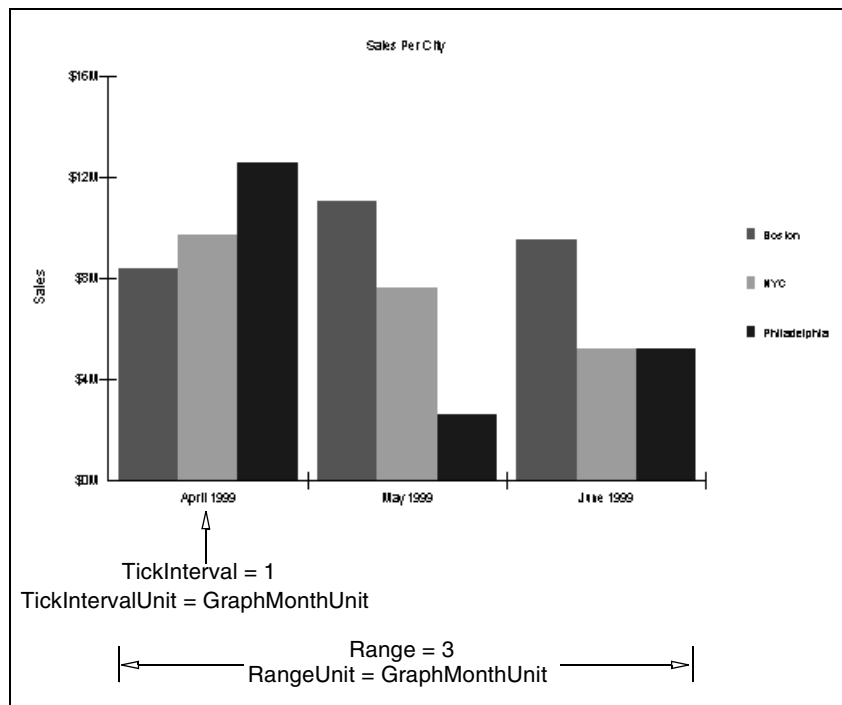
graph  
tick interval

**tick interval**

- 1 A demarcation line that marks an e.Spreadsheet axis to designate categories, dates, times, and values.
- 2 For a detail graph, the distance between tick marks on the x-axis.



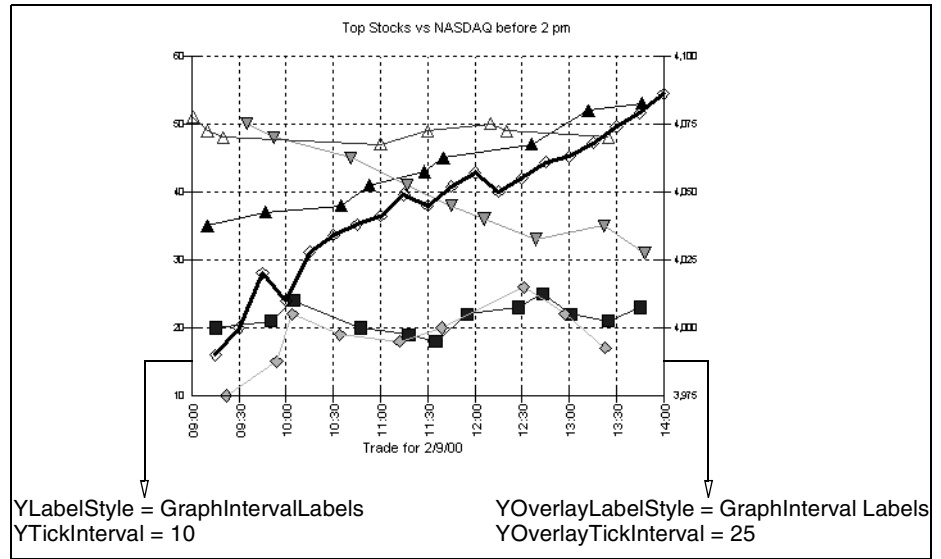
3 For a summary graph, the type of category that is created.



The tick interval for the x-axis is specified by the TickInterval and TickIntervalUnit properties.



- 4 The distance between tick marks on the y-axis or overlay axis. The tick interval for the y-axis is specified by setting YLabelStyle to GraphIntervalLabels and YTickInterval to the appropriate value. The tick interval for the overlay axis is specified by setting YOverlayLabelStyle to GraphIntervalLabels and YOverlayTickInterval to the appropriate value.



#### Related terms

Actuate e.Spreadsheet Designer  
graph  
overlay graph  
range  
time series graph  
value

### time series graph

A type of graph in which the calculation of the x-axis labels is based upon the Range, RangeUnit, RoundTo, TickInterval, and TickIntervalUnit properties.

#### Related terms

graph  
range  
tick interval

### toolbar

A bar containing various buttons that provides access to common tasks. Different toolbars are available during different kinds of tasks.



Main Toolbar

**transient object**

An object that performs specialized tasks during report generation. Transient objects exist while the report is being generated, but are not saved to the report (.roi) file and do not appear when the report is viewed or printed.

**Related term**

object

**Contrast with**

persistent object

**translator**      See converter

**Transporter technology**

See search extension

**twip**      A screen-independent unit of screen measurement equal to 1/20 of a printer’s point. There are approximately 1440 twips in a logical inch or 567 twips in a logical centimeter.

**type**      See data type and semantic type.

**type declaration character**

A character appended to a variable name to specify the variable’s data type.

Character	Data type
%	Integer
&	Long
!	Single
#	Double
@	Currency
\$	String

**Related terms**

data type

variable

**Contrast with**

semantic type

**Uniform Resource Locator (URL)**

A character string that identifies the location and type of a piece of information accessible over the World Wide Web. http:// is the familiar indicator that a document is accessible over the World Wide Web. The characters following http:// indicate the domain name of the computer where the information is stored and the precise place within the directory structure where the document is located.

	<p><b>Related terms</b></p> <p>domain name</p> <p>HyperText Transfer Protocol (HTTP)</p> <p>World Wide Web (WWW or W3)</p>
<b>unique ID</b>	<p>An identifier associated with a persistent object and independent of the name of a location.</p> <p><b>Related terms</b></p> <p>object</p> <p>persistent object</p> <p><b>Contrast with</b></p> <p>transient object</p>
<b>universal hyperlink</b>	<p>See hyperlink.</p>
<b>unsubscribe</b>	<p>A process by which a user removes himself from a list of recipients of specified e.reports or classes of e.reports. Actuate ReportCast technology enables subscribe and unsubscribe capabilities.</p> <p><b>Related terms</b></p> <p>Actuate ReportCast technology</p> <p>channel</p> <p>e.report</p> <p>publish and subscribe</p> <p><b>Contrast with</b></p> <p>subscribe</p>
<b>URL</b>	<p>See Uniform Resource Locator (URL).</p>
<b>url request</b>	<p>A web address that contains directives for Actuate ReportCast.</p> <p><b>Related terms</b></p> <p>Actuate ReportCast</p> <p>ReportCast directive</p> <p>Uniform Resource Locator (URL)</p>
<b>user agent</b>	<p>Client software that interprets information provided in a particular format, then presents the information in a format easily accessible by the user. User agents include web, text-only, and graphical browsers, audio and Braille browsers, search robots, and proxies.</p>
<b>user name</b>	<p>A name that identifies a user of the Report Encyclopedia. The administrator uses the Administrator Desktop to create user names. A user name can be up to 256 characters in length and contain any ASCII characters except control characters. User names can include spaces. User names are not case-sensitive, but names are displayed as typed by the administrator.</p>

**Related terms**

administrator  
password  
Report Encyclopedia

**user-defined type**

A data type defined by a programmer, not built in to the programming language. User-defined types are classes, structures, and type definitions assembled from built-in data types, such as numbers and characters.

**Related terms**

class  
data type

**Contrast with**

semantic type

**value**

- 1** A quantity assigned to a constant, variable, parameter, or symbol.
- 2** A specific occurrence of an attribute. For example, blue is a possible value for the attribute color.

**Related terms**

constant  
parameter  
variable

**variable**

A named storage location for data that can be modified while a program is running. Each variable has a unique name that identifies it within its scope. Each variable is capable of containing a certain type of data.

**Related terms**

data  
data type  
global variable  
instance variable  
object reference variable  
program  
scope  
static variable

**Contrast with**

semantic type

**Variables page**

A page in the Component Editor that lists the variables of a component. Used to add new variables or to make a variable a property or parameter.

**Related terms**

component  
Component Editor  
page  
parameter  
property  
variable  
**Contrast with**  
Class page  
Methods page  
Properties page

**Variant data type**

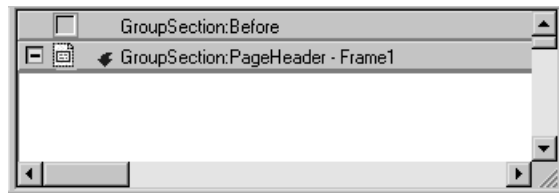
An Actuate Basic data type that holds data of all other types. Variants contain two pieces of information, a value and code indicating the value's type. Variant types can change dynamically when an e.report is running.

**Related terms**

Actuate Basic  
data  
data type  
e.report  
variable

**vertical scroll bar**

A scroll bar at the right side of the window used to move the screen view up and down to access information formats longer than the initial document screen settings permit.



Vertical scroll bar

**Contrast with**

horizontal scroll bar

**view**

The display of data in a cube. One dimension appears on the vertical axis and another dimension appears on the horizontal axis.

**Related terms**

cube  
data  
dimension

**Viewer**

See Actuate Viewer.

## **View process**

An Actuate e.Reporting Server process that converts Actuate report documents to DHTML, PDF, or XML format. The server processes are Administration, Factory, Persistent Object, Print, Request, and View.

### **Related terms**

Actuate e.Reporting Server  
dynamic hypertext markup language (DHTML)  
server processes  
extensible markup language (XML)

## **virtual class**

See abstract base class.

## **Virtual Report Distribution**

A mechanism for supplying reporting information over a network with reduced storage and network bandwidth requirements. Virtual Report Distribution stores a single copy of an e.report in a central location, and sends only the pages users want to view. The mechanism is also called demand paging. The mechanism is virtual because users are not required to have a local copy of the report, yet they have efficient access to the report.

### **Related terms**

e.report  
demand paging

## **visible privilege**

A privilege that provides the option to view items in the Report Encyclopedia. Other privileges include delete, execute, grant, read, secure read, and write.

### **Related terms**

delete privilege  
execute privilege  
grant privilege  
privilege  
read privilege  
secure read privilege  
Report Encyclopedia  
write privilege

## **Visual Basic**

A programming language developed by Microsoft. Actuate Basic is compatible with Visual Basic and has object-oriented extensions.

### **Related term**

Actuate Basic

**visual component**

A component that displays data or static graphic elements in an e.report.

**Related terms**

component

control

data

e.report

**Contrast with**

structural component

**visual programming**

A method for writing applications by dragging and dropping components in the Design Editor and setting optional properties. Actuate translates these actions into Actuate Basic code.

**Related terms**

Actuate Basic

Design Editor

object-oriented programming

property

**volume**

**1** A collection of Encyclopedia items managed by an Actuate e.Reporting Server. Administrators use a volume to group parts of a large Encyclopedia in convenient and manageable clusters.

**2** The name of the machine on which the Actuate e.Reporting Server is running.

**Related terms**

administrator

Actuate e.Reporting Server

Report Encyclopedia

**web**

See World Wide Web (WWW or W3).

**Web Agent**

See Actuate ReportCast.

**web browser**

An application that runs on a computer connected to the internet and provides access to information distributed on the World Wide Web. An HTML report displays in a web browser.

**Related terms**

browser

hypertext markup language (HTML)

internet

World Wide Web (WWW or W3)

**webcast**

See Actuate ReportCast technology.

- web page** See HyperText Markup Language Page.
- web server** A program that accepts requests for information based on the HyperText Transfer Protocol (HTTP). The server processes the request and sends the document to the web browser for display.  
**Related terms**  
HyperText Transfer Protocol (HTTP)  
web browser
- wildcard** A character used in a search or conditional expression that matches one or more literal characters. Actuate wildcards include the following.

Wildcard	Definition
?	Match any one character (one- or two-byte character)
#	Match any ASCII numeric character [0-9]
*	Match zero or any number of character(s)

**Related term**  
search expression

**World Wide Web Consortium (W3C)**

An international, but unofficial standards body that provides recommendations regarding web standards. The World Wide Consortium publishes several levels of documents including notes, working drafts, proposed recommendations, and recommendations about web applications related to topics such as HTML and XML.

**Related terms**  
extensible markup language (XML)  
hypertext markup language (HTML)  
internet  
World Wide Web (WWW or W3)

**World Wide Web (WWW or W3)**

An information system accessed through the internet. The information available is heavily cross-referenced and linked so you access information primarily by clicking hyperlinks that take you to other documents. The web uses the HyperText Transfer Protocol (HTTP) that specifies how an application locates and acquires documents stored on other computers also attached to the internet.

**Related terms**  
hyperlink  
internet  
HyperText Transfer Protocol (HTTP)  
link



**write privilege**

A privilege that provides the option to place an item in the Report Encyclopedia. Other privileges include delete, execute, grant, read, secure read, and visible.

**Related terms**

delete privilege  
execute privilege  
grant privilege  
privilege  
read privilege  
Report Encyclopedia  
secure read privilege  
visible privilege

**WWW**

See World Wide Web (WWW or W3).

**XML converter**

A tool that changes data in one XML format to another XML format.

**Related terms**

converter  
data  
extensible markup language (XML)

**XML (extensible markup language)**

See extensible markup language (XML)

**XML data format**

A data format produced by Actuate e.Report Designer Professional.

**Related terms**

Actuate e.Report Designer Professional  
data  
extensible markup language (XML)

**XML data stream**

Output generated by an XML converter.

**Related terms**

converter  
extensible markup language (XML)  
XML converter

**XML display format**

An Actuate report format that encapsulates XML data and XML display formats.

**Related terms**

data  
XML display format

<b>XML report</b>	An e.report dynamically generated from an Actuate report object instance (.roi).
	<b>Related terms</b>
	e.report
	extensible markup language (XML)
	report object instance (.roi) file
	structured content
<b>zone</b>	See frame.